

# MANUFACTURERS' RECORD

A WEEKLY REVIEW OF THE IRON, STEEL, METAL & HARDWARE TRADES.

AND A MANUFACTURING AND TEXTILE PAPER, DEVOTED TO THE UPBUILDING OF SOUTHERN MANUFACTURES AND THE DEVELOPMENT OF THE MATERIAL RESOURCES OF THE SOUTH.

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BALTIMORE, MAY 31, 1884.

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VOL. V. No. 16.

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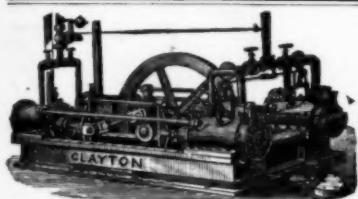
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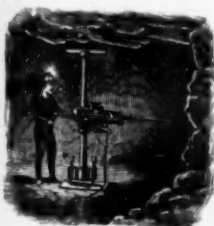
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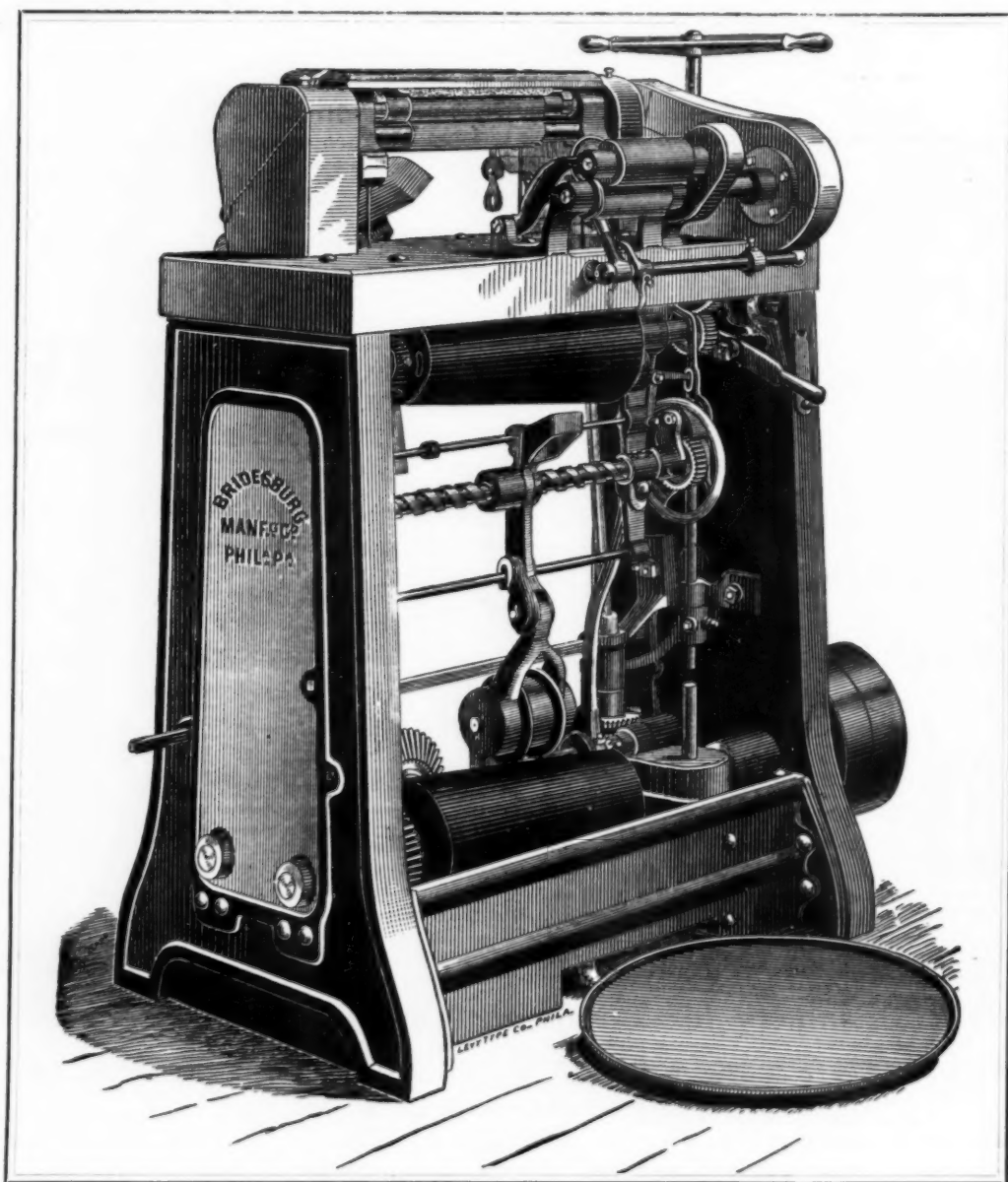
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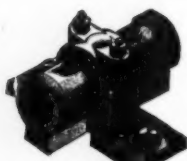
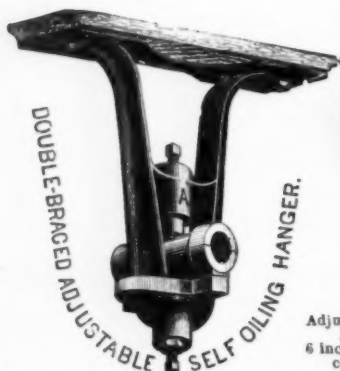
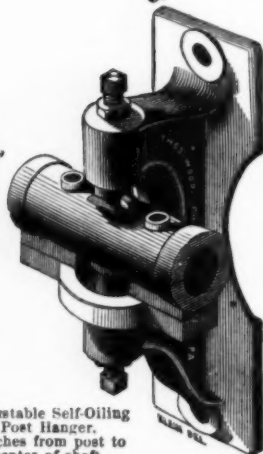
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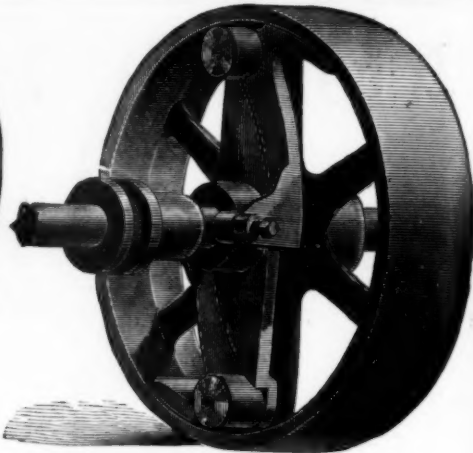
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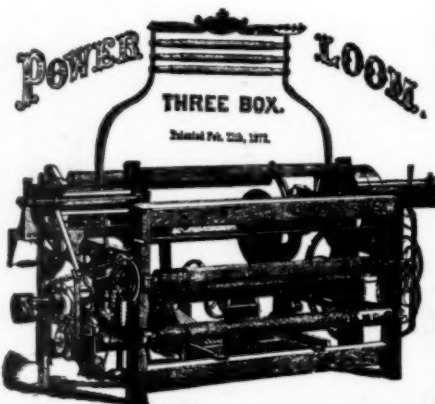
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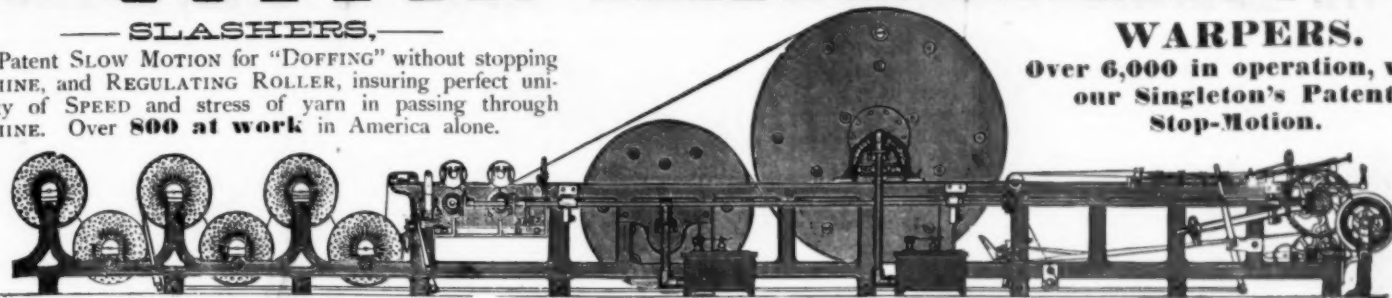
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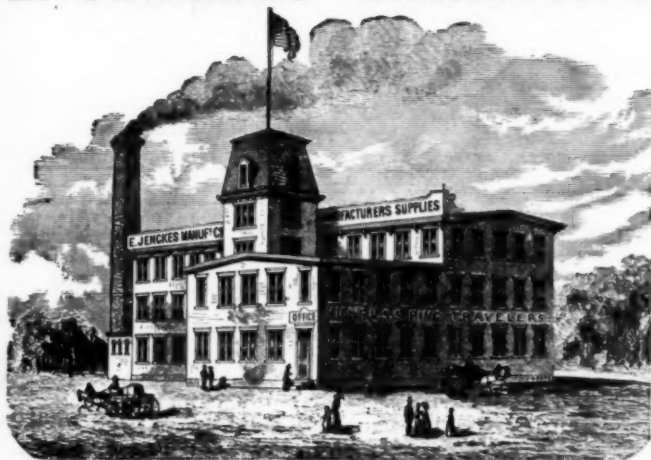
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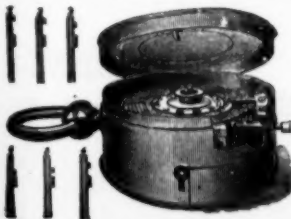
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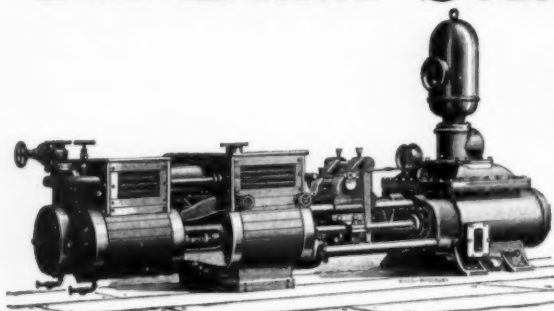
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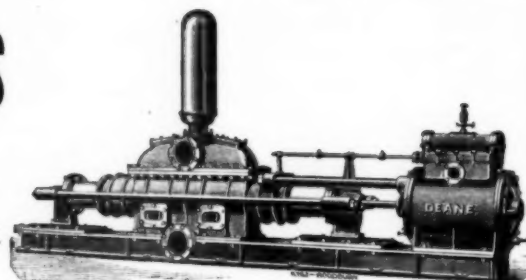
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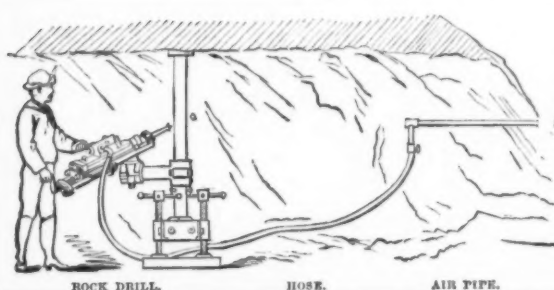
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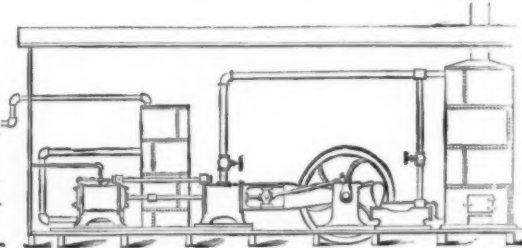
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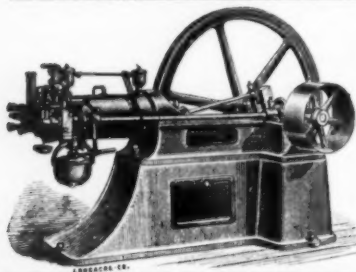
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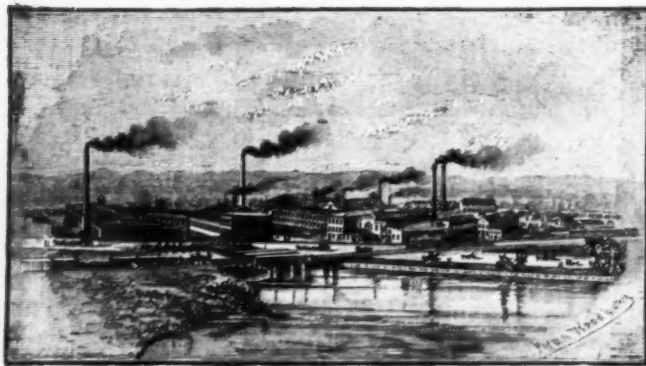
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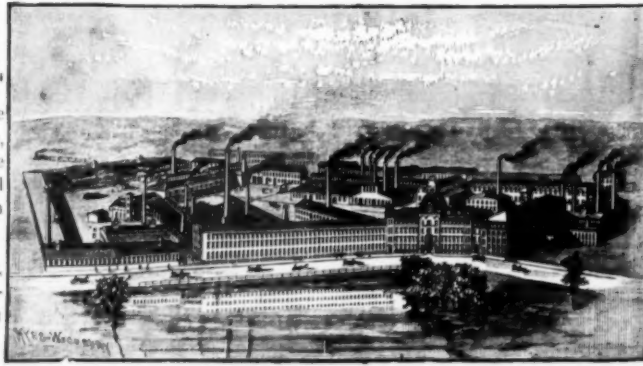
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BALTIMORE, MAY 31, 1884.

THE Manufacturers' Gazette, of Boston, claims that the Southern cotton mills employ nearly two operatives to one in the New England mills on the same kind of yarn and goods. Wages in New England are nearly 50 per cent. higher than in the South, but this difference in favor of Southern mills is said to be more than counterbalanced by the larger amount of work turned out in New England mills per operative than in Southern mills. If these statements are correct they show that there is great necessity for improving the working ability of operatives in Southern mills. It ought to be that Southern operatives should at least equal in working power their Northern competitors. A discussion of this subject would prove of much value to the Southern people. It would doubtless explain why some mills are so much more successful than others, and the experience of different mill owners and managers would be profitable to all. We invite correspondence upon this subject, and would ask of our Southern mill men to give us a few facts as to their operatives, their number in proportion to spindles, their efficiency, &c.

THE *Mercury*, Huntsville, Ala., says: "The BALTIMORE RECORD is doing a most valuable work in not only showing what the South is doing, but in giving an impetus to our material development."

We cannot too highly commend to merchants, mechanics, planters and capitalists the BALTIMORE MANUFACTURERS' RECORD.—*Chronicle and Constitutionalist*, Augusta, Ga.

Our readers will confer a favor upon our advertisers and upon us, as well as benefit themselves, if, whenever they write to anyone advertising in this paper, if it is only for a catalogue, they mention that "your advertisement was seen in the BALTIMORE MANUFACTURERS' RECORD." A careful compliance with this request will be much appreciated.

## Great Britain under Free Trade.

The free trade advocates in this country are in the habit of pointing to Great Britain and claiming that free trade has done wonderful things for the building up of her manufactures. Very foolishly they say that the depression in this country is due to our protective tariff, and they say "look at Great Britain's prosperity." Somehow they seem to be unable to comprehend the fact that Great Britain is not now, and has not for years been in a prosperous condition. The truth of this is borne out by the reports from all parts of that country; but it is especially forcibly expressed in an editorial in the *Sheffield Telegraph* of May 3d. That paper says:

The national expenditure grows apace, but the national income refuses to grow. Work decreases, wages sink lower, property of all kinds shrinks in value, securities become daily more insecure, and by the general subsidence tens of thousands of persons who lately believed themselves financially independent are each losing the savings of a lifetime. Thus the poor are made poorer, while the upper-class people are made the less able to help them; and the most serious aspect of this state of things is that it exists in spite of the large inflow of dividends on money invested in foreign lands and in the Colonies, and in spite of that huge export of coal and pig iron which eats daily into England's nature-given capital.

In one beautiful little silk-weaving town 30 out of 35 mills are at a stand; and of the remaining five some are working short time, while in two other towns engaged in the same industry the suffering from lack of employment, and from the miserable wages earned by those who are employed, is extensive and severe. In one of the three towns workmen's houses, which used to let at 7/ per week, are standing empty in rows, or are let at 1/6 per week, to save them from being untenanted.

In the potteries at Stoke, and even at Stafford, the closing of the American market by the imposition of prohibitive duties on British crockery has produced a serious displacement of labor, while the gradual impoverishment of the highly educated and well-to-do classes has so told upon the higher branches of industry there that firms of world-wide renown for artistic work have, for the first time in 20 years, been compelled to diminish the number of their hands, and to give to others only intermittent employment.

The wave of depression touches Sheffield. In the cutlery trade, houses strong in energy, in experience, in old and extensive business connections, and in an accumulated capital which represents the thrift and the patient industry of three generations, find themselves face to face with the very unwelcome novelty of profits pared down to a vanishing quantity, and of work-people reduced to short time.

Our working people have had enough of prophecy. It is idle now to preach faith and patience to them. What faith can they reasonably have in prophecies, every one of which has been falsified by events, and how can they substitute patience for satisfying food. They see the manufacturers of boots sinking into the condition of mere importers of boots; see English sugar refineries shut up, and their products replaced by those of foreigners who receive State subsidies in the form of bounties to enable them to undersell English employers in England's home market; see French silks replacing in the shop windows the fabrics which used to come from the now idle looms of Congleton, Coventry

and Macclesfield; see foreign farm produce carried on English railways at half, or slightly more than half, the rates demanded of the struggling English farmer; and see the very States which owe most to England, and are most in England's power, most forward in singling out for special taxation the manufactures of the one nation upon whose custom they are absolutely dependent for their solvency.

Evidently the *Telegraph* does not think there is great prosperity in Great Britain. It is a positive fact that the industrial condition of England has been growing worse for many years, and the present prospects show no brighter outlook for the future. If England presents no better state of affairs than this under free trade, why should the United States give up the known advantages of a protective tariff?

## Mr. Porter's Views of the South.

THE MANUFACTURERS' RECORD, as the leading exponent of the industrial progress of the South, has, week after week, told of the marvellous growth of that section; and while it has been our endeavor to avoid the slightest exaggeration, the truth is so surprising that some have scarcely believed that the progress of the South is as rapid as our statistics would indicate. We fully appreciate the importance of presenting the facts, and nothing but the facts, in regard to the South's development,—hence it is gratifying to find that those who investigate the subject for themselves discover that we have by no means overstated the matter. For some time past Mr. Robert P. Porter has been investigating the industries of the South. His experience in this country, and especially in the great West, as well as in Europe, enables him to speak intelligently as to the growth of the South. In a letter to the vice-president of the Silk Association of America, Mr. Porter, writing from Nashville under date of May 12th, says:

"For the past four weeks I have been making a tour of what may be called the new South in search of the truth in regard to its industrial and mineral resources. Railroads I find are rapidly changing the course of manufacturing in the South, and the new channels of trade and industry will move in centres of energy that are now hardly known. Manufacturing towns are being built in the South as rapidly as mining towns in the Western States. I have found thriving manufacturing towns where, three years ago, wheat and corn waved and cattle browsed. The mineral resources of the South are beyond the conception of those who have not traveled over the most important regions on horse-back. Last week I attended the sale of the vacant lots of the coming town of Sheffield, Ala. It was a sight long to be remembered, and I wish I could have enjoyed the pleasure to describe the Southern method of starting a town to my friends of the Silk Association. From 2,500 to 3,000 keen, earnest, and practical business men were present at the sale, and whatever reports may have reached the Eastern press of the affair, I am firmly of the belief that within the next five years Sheffield will be as important a manufacturing town as Roanoke, Va., or Birmingham, Ala. The industrial progress of the South since 1880, when I visited every Southern State, has

been something marvellous. No one seems to complain of hard times. Business is good, and plenty of work for all at fair rates of wages. The iron and steel and cotton industry have made great progress since the census of 1880, and I expect before long some enterprising members of the Silk Association will inaugurate the manufacture of silk on a large scale in some of the important textile cities of the South."

## A New Source of Wealth.

The recent successful experiments of making paper from "bagasse," the refuse sugar cane after the juice has been expressed, open up a new source of considerable profit to the sugar-producing sections of the South. Heretofore bagasse has been not only devoid of value to the cane planter, but even an expensive nuisance, no good use having been found for it. In the West Indies a number of sugar planters have of late years put in the Babcock boilers, in which they were able to use bagasse as a fuel, thus saving the cost of other fuel, and also avoiding the expense of hauling the bagasse away from the mills. The well-known Jarvis furnace has also proved very successful in enabling this and similar material to be used as a fuel; but to the Louisiana sugar planters bagasse has remained of no value. It has been demonstrated that as a paper making material bagasse is a very superior article, and as we stated a few weeks ago the Louisiana Fibre Co. of New Orleans propose to erect a \$100,000 mill for manufacturing bagasse paper. A few years ago cotton seed were considered almost valueless, but when it was found that a fine oil could be extracted from them, cotton-seed oil mills began to spring up all over the South, and now they are adding great wealth to the South each year. So it will probably be with bagasse, and soon we will probably see a large number of mills for making it into paper going up in Louisiana. Some of the people in that State who have examined the matter say that this discovery will add fully \$4,000,000 a year to the wealth of Louisiana.

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. We invite those interested in the development of the South to make free use of our columns. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the MANUFACTURERS' RECORD offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more,—so if you desire to attract immigration or capital, or if you know of an opening for profitable investment in manufacturing, mining or kindred pursuits, write us an account of it. It will be published free of cost.

# CONSTRUCTION DEPARTMENT.

We publish, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

The Presbyterians will build a fine church in Roanoke, Va.

The Nashville & North Alabama Railroad has been incorporated,—stock \$250,000,—to build a road from Guntersville, Ala., to Elora, Tenn.

A. V. Clubb, of Pensacola, Fla., will build the large hotel at Lake de Funiak, previously reported. Hotel will be supplied with gas, water, &c.

W. L. Wittich, Pensacola, Fla., has purchased a saw mill, which he will enlarge; also contemplates building a new mill, capacity 60,000 feet per day.

The Siemens Lighting Co., capital stock to be fully paid before commencing business,—\$200,000,—has been organized in Louisville, Ky., by F. D. Carley and others, for lighting cities, houses, &c.

The Bedington Grist Mill, Martinsburg, W. Va., operated by Jos. Ardinger, is having about \$5,000 worth of machinery put in.

It is said that a contract has been made for the building of the Denver & New Orleans Railroad, involving the construction of about 600 miles of road.

A. L. Hall is putting up grist mill and machine shop near Salisbury, N. C.

It is reported that the owners of the Gold Hill Mine, near Salisbury, N. C., will commence work on their mine and put in machinery soon.

A \$30,000 town hall is to be built at Bellevue, Ky.

The necessary money has been subscribed for the enlargement of the Cumberland Steel Works, Cumberland, Md., and it is expected that a stock company will be organized. Mention of the contemplated enlargement was made lately.

Incorporated—the Texas Domestic Machine Co., of Houston, Tex.; stock \$50,000.

S. White, of Seguin, Tex., will build a \$25,000 court-house at Llano.

W. S. Myer & Bro., near Westminster, Md., are enlarging their flour mills.

A company has been formed by some members of the Lochiel Lumber Co., Lonaconing, Md., to manufacture tanning extract.

The Irondale Furnace, Irondale, W. Va., will be thoroughly repaired.

Rufus Carter & Co., of Augusta, Ga., will establish tobacco factory.

W. E. Nickerson, of Canton, Ga., will move his saw mill to Augusta.

A \$21,000 court-house will be built at Lawrenceville, Ga., under supervision of E. G. Lind, architect, of Atlanta.

It is rumored that a large cotton mill company will be organized in Wetumpka, Ala.

Gadsden, Ala., is talking of water-works.

A \$6,500 jail is to be built at Monroe, Ga.

The Columbus Street Railway, Columbus, Ga., will be extended.

A \$12,000 chapel will be built at the University of Virginia, Charlottesville, Va.

The Luray Cave Co., Luray, Va., will build another hotel.

W. D. Fewell, Rock Hill, N. C., is building his flour mill.

The German Baptist Congregation, Hagerstown, will build a new church.

Dickson & Bacon, Trenton, Ky., have commenced on the foundation of their grain elevator.

Mr. G. F. Anderson, of Niles, Mich., who is one of the capitalists lately reported as proposing to build a furnace at Calera, Ala., says that the furnace will be built, notwithstanding the statements made last week in the Calera paper to the contrary. Others, however, say that the furnace will not be built.

The mill and machinery of W. C. Stout, near Lewisburg, Ark., injured by boiler explosion.

The Tin and Ore Smelting and Manufacturing Co., of West Virginia, of which we have previously made mention, contemplate the erection of a rolling mill at Huntington, W. Va. R. N. Robbins, of Huntington, is vice-president.

CHARLES H. PHINZY, of Augusta, Ga., who lately purchased the Summerville Cotton Mill, of that city, has appointed Alonzo F. Crombe superintendent. The mill will be thoroughly overhauled and repaired, new machinery, &c., and run to its full capacity.

S. B. SHIVERS, Selma, Ala., is enlarging his mill and ginney.

THE LAGRANGE IRON CO., LAGRANGE, Tenn., have nearly completed their 50-ton furnace for making hot-blast foundry iron.

AMONG the houses now being built in Dallas, Texas, for manufacturing purposes are Dallas Barrel Factory, to cost \$18,000; Wagenheuser Brewing Company's building \$75,000; Todd Mills, enlargement and grain elevator, \$25,000; Dallas Gas Works \$28,850; Dallas Electric Light Co. \$26,500; D. T. Rainwater, grain elevator, \$29,750; cotton-gin factory (Jackson street) \$3,500; Schoelkopf & Co., horse-collar factory, \$3,500; Texas Cotton Compress Co. \$25,000; Ames Engine and Boiler Works \$5,000; Dallas Rotary Harrow Co. \$2,000; S. Q. Richardson, ice factory, \$30,000; Clark & Elliott, planing mill, \$15,000.

It is reported that J. L. Moss, of Rome, Ga., will erect a cotton-seed oil mill in Birmingham, Ala.

The St. Louis, New Orleans and Atlanta Canal and Transportation Co., stock \$20,000,000, has been incorporated by E. L. Carriere, Jules Le More, A. A. Lelong and A. Selfreier, all of New Orleans, and others, to connect the Mississippi River with the Atlantic Ocean by means of canals, in the States of Florida, Georgia, Louisiana and Alabama.

It is reported that the Nashville Cotton-Seed Oil Mill Co. will erect a mill near Sheffield, Ala.

The Sheffield Land, Iron and Coal Co., owners of Sheffield, with post office at Tusculum, Ala., report an extraordinarily large number of applications for sites for elevator, cotton-seed oil-mills, brick making machinery, hub and spoke factory, sash, door and blind factories, planing mills and general wood working establishments, foundries and machine shops, ice factory, saw mills, lumber yards, opera house, stone quarry, lime kiln, etc. This company will erect a \$25,000 office building for their own use. Plans are being examined for the water works to be built, as previously reported.

A COMPANY is to be incorporated at Columbus, Ga., to build a road from that city to Albany, Ga.; stock \$500,000; secretary, J. W. Woolfolk, Columbus.

T. H. Kimbrough, Ellerslie, Ga., has organized a \$5,000 company to manufacture fertilizers.

The South Florida Railroad will build a depot at Kissimmee, Fla.

The Montevallo Coal Mines, Montevallo, Ala., will spend about \$20,000 in building a short railroad, &c.

About \$50,000 has so far been subscribed for the proposed bagasse paper mill to be erected by the Louisiana Fibre Co. of New Orleans, as previously reported.

The North State Gold Mine, near High Point, N. C., is enlarging operations, adding new machinery, &c.

The Reedy River Cotton Factory (post-office Reedy River Factory, S. C.) will build a new mill for about 3,000 spindles, doubling present capacity. Mill will be of brick, three stories, 120 feet by 50.

The Standard Gin and Machine Co., (lately the King Gin and Machine Co.) of Montgomery, Ala., have about completed their new buildings, and will now add a barrel factory.

J. Lloyd, of Brass P. O., Towns Co., Ga., says that a gold property near his place has been sold to Michigan men who will develop it.

Colorado City, Texas, has closed contract with the Holly Manufacturing Co. for water works.

Wm. Ahrenbeck, of Hempstead, Texas, has purchased machinery for the Brenham (Texas) Oil Mill, which is to be made a large mill.

D. J. Clark, Harry Miller and Jacob Sellers are reported as buying large amount of slate lands near Enterprise, Va., for development.

Wilkinson & Fore, of Alma, N. C., talk of extending their railroad.

C. C. Buder, of Columbus, Miss., can give information about the Presbyterian church to be built there.

N. S. Sherman and others are pushing work on their new machine shops and foundry, Jackson, Tenn., previously reported. Will be ready to commence work about last of June, building boilers, engines, &c.

J. E. R. Carpenter and a Northern man will erect extensive saw mill at Columbia, Tenn. Reported that they have purchased part of machinery.

Subscriptions are still being solicited for the \$1,000,000 sugar refinery project in Baltimore, previously reported. Prospects for success are thought to be fair.

The boiler in the saw mill of J. M. Robinson, at Eden, Ala., exploded, killing Mr. Robinson.

W. W. Taylor, of Havre de Grace, Md., has received the contract for building the water-works at Fredericksburg, Va. Will commence by June 1.

It is reported that J. A. Lewis, a wholesale dry goods dealer of Columbus, Ga., will build a cotton factory at that place.

A new court-house is to be built at Gainesville, Fla.

There is some talk of a fertilizer factory at Danbury, N. C.

Capital of the Louisville (Ky.) Woolen Mill has been increased to \$250,000.

T. M. Bowers, of Lampasas, Texas, contemplates starting a paper mill.

An ice factory and a flour mill are to be put up in Fort Davis, Texas.

F. & H. Fries, Salem, N. C., are increasing the machinery in their cotton mill.

The Lutherans of Charlotte, N. C., will build a new church.

The city council of Richmond, Va., has appropriated \$55,000 for additional gas mains.

R. C. Henry, Petersburg, Va., is building a tobacco factory.

H. B. Thomas, of Jefferson, Texas, is trying to organize a \$25,000 company to construct gas works in Marshall, Texas.

Jas. P. Douglas, Tyler, Texas, will put up a fruit-canning factory.

## BURNED.

Gin, machinery, &c., of Joel T. Conyus, at Stilesboro, Ga.

Owensboro Wagon Factory, Owensboro, Ky., damaged by fire; loss, \$20,000.

The turpentine still of Bowie, Oversheet & Roberts, Sylvania, Ga.; loss \$3,000.

Hall & Miner's tobacco factory at Wentworth, N. C.; loss \$13,000.

Mill of G. R. Northam, near Warsaw, Richmond county, Va.; loss, \$2,500.

Saw mill of Burns & Bro., Bremen, Ga.

## NEW PUBLICATIONS.

A SHORT TARIFF HISTORY OF THE UNITED STATES, by David H. Mason. Part I.—1783 to 1789.

The author was formerly tariff editor of the Chicago Inter-Ocean, and is the author of several works on the tariff. In an introduction to this work, he lays down two propositions to be proved, viz: That prosperity is always coincident with the reign of protective principles, and that hard times are always coincident with the reign of free-trade principles—propositions that would be fully sustained without the necessity for argument, by the simple narration of the industrial history of the country during the period covered by the present volume. The writer presents a clear exposition of the deplorable condition of the country under the baneful influences of free trade, and of the subsequent revival of trade and manufactures and the continued commercial and industrial prosperity under a protective tariff. The book is an interesting and instructive one, and to any fair-minded person is an unanswerable argument in favor of the protection of our industries.

It is published by the author, at 460 West Randolph street, Chicago.

## Mileage of the United States.

The Railway Age gives a statement of the mileage of the different States of the Union, as follows:

Illinois.....	8,927	New York.....	7,436
Ohio.....	7,320	Pennsylvania.....	7,321
Texas.....	6,676	Michigan.....	5,675
Indiana.....	5,198	Minnesota.....	5,075
Missouri.....	4,676	Georgia.....	2,940
Wisconsin.....	4,042	Colorado.....	2,861
California.....	2,894	Dakota.....	2,544
Nebraska.....	2,633	Kansas.....	2,409
Virginia.....	2,544	Alabama.....	2,090
Tennessee.....	2,107	Kentucky.....	1,985
Massachusetts.....	1,985	North Carolina.....	1,811
New Jersey.....	1,878	Mississippi.....	1,671
Arkansas.....	1,733	Louisiana.....	1,570
South Carolina.....	1,558	New Mexico.....	1,157
Florida.....	1,218	Maine.....	1,107
Utah.....	1,127	Maryland.....	1,068
Montana.....	1,072	Oregon.....	1,034
New Hampshire.....	1,038	Nevada.....	948
Connecticut.....	965	West Virginia.....	940
Vermont.....	942	Idaho.....	754
Arizona.....	921	Washington Ter.....	595
Wyoming.....	613	Delaware.....	382
Indian Territory.....	362		
Rhode Island.....	219		
Total miles in the United States.....	120,434		

With the Missouri Pacific and Wabash systems, Gould controls 10,000 miles of railroad, which is one-twelfth of all the railroad lines in the United States.

## LOCKWOOD, GREENE & CO. MILL ENGINEERS

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Carefully prepared plans, specifications and estimates furnished for the construction, equipment and organization of new mills and the revision and improvement of old.



## MANUFACTURING.

Subscribe to the Baltimore Manufacturers' Record. Price \$3 per year.

## BALTIMORE.

MESSRS. ZELL & BURTON, proprietors of the Safety Water-Tube Boiler Works, Baltimore, write that "The success of the Zell Safety Boiler is now assured. We will move to corner William and Hughes sts., 'Vulcan Works,' to increase our capacity. We have contracts for 120-horse-power Zell boiler for Messrs. Keasby & Mattison, Philadelphia; 260-horse power for Kenyon & Newton, Brooklyn, N. Y.; 50-horse power for Passaic Manufacturing Co., Newark, N. J.; and will ship this week to Fleischer Bros., Philadelphia, 450-horse power. We also have orders for two 100-horse-power boilers for Cuba."

MESSRS. JAMES W. GEDDES & Co., metal and sheet iron workers, North street, report their business as having been very satisfactory, with liberal orders now on hand.

MR. JOHN N. MARQUETTE, West Falls avenue, has received, since our last report, additional orders, which keep him well employed. He has had a full force at work for some time.

MESSRS. JOHN C. FROELICH & Co. report business as about the same as before, enough orders having been received to keep them working, and with new and old repairs they are fairly busy.

MESSRS. E. J. CODD & Co., machinists, have a great deal of new and repair work to complete, consisting mainly of tanks, boilers, &c., for firms in the city.

MR. PHILIP R. VOGEL, dealer in metal and metal goods, 79 German st., reports his business on the increase. His goods are well known in this city, and are becoming very well and favorably known in the South.

MR. W. M. R. EMERSON, general agent E. M. Birdsall Co., 6 and 8 N. Liberty street, reports his business as exceedingly active, and orders are still coming in. During the past week he has received quite a large number of orders, nearly all of which called for complete outfits.

MESSRS. H. BALDERSTON & SON, proprietors of the Baltimore Wire Works, 66 S. Calvert street, have on hand a full assortment of their goods, and report sufficient orders to keep them running for two months. They have one very large order to furnish an institute or asylum with iron screens, &c.

## IN GENERAL.

THE Lechner Manfg. Co., Columbus, Ohio, have recently made large shipments of their roller detachable chain elevators, conveyers and driving bolts, to Wisconsin, Pennsylvania and New York. Their chains are rapidly coming into general use throughout the country. Owing to its peculiar construction it has great strength, and is very durable. Parties needing anything in their line will do well to correspond with them.

MR. GEORGE W. CHAMBERS, Talladega, Ala., offers extraordinary inducements for the location of a furnace. He owns 5,000 acres of land, said to contain the best brown hematite iron ores, within a distance of five miles of Talladega, which he offers to transfer to any responsible parties or company who will build a first-class coke or charcoal furnace, and will take stock for the same. He also has pledges of cash subscriptions to amount of \$20,000. He states that the city of Talladega will donate 200 acres of desirable land for a plant, and will grant exemption from city taxes for ten years. The location has the advantages of three railroads, good water, and cheap fuel and labor. There is a large deposit of fire clay in the neighborhood, which is said to have no superior.

## A Southern Paradise.

OCEAN SPRINGS, MISS., May 10, 1884.

I am on a spot that kindles a mood which makes utilitarianism almost a profanation, and thoughts of "vile meat and drink" impertinent and groveling. Up from the crinkling sea comes the glad some breeze, which "takes the tree-tops with joy."

Above bends the tender sky, flecked here and there with soft wisps of nebulousity, as though an angel had brushed his plumage against the zenith, and left some down from his balmy wing.

Yonder are some breeze-winnowed cloudlets, shredded to the filmiest of filaments, as though the softest flossiness smoothed to magic fibres of downiest silkiness by seraph's fingers.

All about and around are numberless shades of green in the trees and shrubs. No pen can do them justice. I almost feel reverent as I see that immense live oak, with its shadows so hospitable and inviting, its soft and pearly sheen weaving its lustrousness with the intensely dark-green hues of other parts—a rich light-and-shadow woof. To what tree does Keats' invocation in the "Grecian Urn" seem so appropriate?

"O, happy boughs, that cannot shed your leaves!"

And yonder is a *magnolia grandiflora*, a towering emerald cone bestudded with its pearly flowers; great chalices of fragrance that almost entrance the amorous air. Never yet did I see adequate description of this imperial tree and flower.

And there are oranges, sweet olives, oleanders, magnolias fuscata, tea plants, huge mimosas with their downy bloom, camellias, figs, viburnums.—I know not what,—dipping, dancing, nodding, curtsying, tossing gladsomely in the gay breeze.

In truth, it is a sort of paradise run wild. A large and lovely collection of plants, set by loving hands long ago, and given over to neglect. And yet, it has thereby a charm seldom met—a graceful wildness, a communion, a sort of loving fellowship of the wilderness and the lawn and garden. You must thread your way through it, and pull apart the embracing arms of one and another tree and shrub, that have entwined so lovingly and firmly that they are loth to part, and creep to win your way.

And the fragrances! What a delicious emulation there seems to be in their struggle for ascendancy. They seem to be most bewitching suitors to woo your preference.

Now a perfume as if an enchanting and graceful shape seems to float down upon you from the *magnolia grandiflora*, as though it would take your soul a captive by its voluptuous sortie, as it has the zephyr which seems

"Sick with sighing languishment,"

as it bears it in its loving arms. And here comes the odor of the cape jessamine, less assured in mienless pretensions in her air, but so soul-touching, aye, penetrating, that no rival can prevent a welcome. It is an odor that seems too good for earth. It is suggestive of enchantment and fairy-land. It seems like a flower long perished, come back from the days of troubadours, and savors

"Of dance and Provencal song."

of Italian moonlit summer nights, and tender lovers who sighed their hearts to answering eyes from perfumed palace balconies. I know not anything quite so ravishing as, in bright moonlight nights, to awake and find your chamber possessed by this perfume in its best intensity of spirit.

Away up there in the live oak is a woodbine, the name of which I do not know.—It is a stranger to me; but what an odor! When I first discovered it, it seemed like a half-conscious enchantment to me. A sweet spell was upon me. I thought at first it was a combination of odors—of

roses and magnolias and cape jessamines. But, who can describe a perfume?

And I needn't mention lilies and roses and other flowers. But, I think it must be that somewhere between your sense and all these and other unnamed flowers there is a happy spot where all these odors melt into each other, and blend in "solution sweet," making a new, grand, unnameable, indistinguishable perfume, from whence it marches to capture the soul. Who would not, on some of these glorious nights, be the captive from such an assault?

Nor can we help but remember flowers and fragrances gone. But a few weeks ago these orange trees were in bloom, and shall we praise their perfume?

And the sweet olive (*olea fragrans*) is no longer blooming. It has but just shed its tiny petals, having bloomed all winter. Its odor always reminds me of the most delicious of full-ripe Heath cling peaches, in central Delaware, when you get a luscious mouthful of the juicy, perfumed fruit.

And the yellow jessamine, that tumbles like a rill of gold down an emerald cliff from the green treetops, no longer pours its perfumes from its dainty little chalices of gold.

And I see from the way the live oak there is thrived by the wistaria, what a wild and gorgeous embroidery of purple there was a few months ago up there. It were a sight worth riding many a mile to see.

And, cast your eye where you may, you will see great clumps of the McCartney or Cherokee rose. It is fragrant, but its wild grace is to me bewitching. Its leaves are intensely dark green: its petals snowy white, (a flat corolla) and its stamen is large and blazes like a fiery topaz. I am reminded in these suggestions of emerald, pearl and topaz, of Milton's line:

"Barbaric pearl and gold."

But we turn from the numberless attractions of land to the laughing waters, to catch the dazzling resplendence of the far-flashing glint of the sun-illuminated sea. How the heart dilates under the exhilaration of the sight! Byron's fine apostrophe:

"Roll on, thou deep and dark blue ocean," comes to memory. Also the opening lines in the Corsair:

"O'er the glad waters of the dark blue sea—Our thoughts as boundless and our souls as free."

That epithet "glad" is so felicitous when a fine breeze sets the waves to dancing and flashing in a bright sun-light, and the stretch of vision, with the air acting as an elixir, makes your soul feel so free.

But I must quit all these to say a few words about this gulf coast, between Mobile and New Orleans—the most charming all-the-year spot I know of. Where can there be found such a place to enjoy the *dolce far niente*? For money-spending I know not where to look for its equal. It has attractions peculiar to itself: First there is much of the country only two or three hours ride from New Orleans:

"The pleasant place of all festivity,  
The revel of the continent, the mosque of our country."

Who does not want to be there in winter to see its kaleidoscopic life?

Then you are only 36 hours from St. Louis or Cincinnati, a little more from Chicago, New York and Philadelphia.

If you are fond of hunting or duck-shooting, you have it in abundance. A little distance back in the pine woods are deer, wild turkey, quail in abundance. The winters are so mild that a cover of pine boughs is as warm a covering almost as you need. On the gulf and in the bayous, ducks, woodcock and snipe.

If you are fond of a stiff sail, you can go into the sound and gulf. If you are a novice or timid, you can sail in the broad bays and coves where the water is shallow. Plenty of chance for youngsters to disport and learn sailing here, without parents

being worried at dread of their getting drowned. If you are fond of fishing, what is it you can't catch? According to your place, you can catch the most delicious fish—pompano, Spanish mackerel, sheep's head, red snapper, green trout, etc.

You can stand on the wharf and catch many fine fish. Then there are oysters, crabs, shrimp, etc.

Now, I want to know where else you can combine all these attractions?

Oranges are sometimes hurt and even killed by extra cold winters at this place; but there are plenty left, and I presume it improves as you get nearer New Orleans. As to figs, grapes, etc., flowers, vegetables, it were useless to speak. The sandy soil and the climate tell all this.

I am sure this gulf coast within a few years will be the most popular winter resort on this continent. The attractions I have mentioned and others must have their effects when known.

The poets and writers have overlooked it thus far; and its chief patrons are the people of New Orleans, and these mainly in summer. Many fine residences have been built. More are in process of construction. The season is just opening, and persons are coming out to spend the summer. Bathing, yachting, fishing, shooting, dancing,—these are the attractions. The need is to have wealthy Northern people come here and build villas for winter, or buy and improve those already built.

Land is so cheap, back from the front, that I will not even mention it, lest it may not be credited. While many properties are not for sale, some fine ones are, at cost, and some at great sacrifices. I heard of one, a short time ago, at a neighboring watering place, for sale at four thousand dollars that cost sixteen thousand. It needs only one thousand dollars to make needed repairs. Such bargains may be exceptional; I don't know, but I learn of plenty that offer the greatest inducements to investors.

I see that the grasses—clover, blue grass, orchard and red-top,—succeed here far beyond what would be supposed. With improved land and the use of lime there will be far better results.

I have been spending a few days here at the charming home of Col. W. R. Stuart, one of the early Jersey breeders, and, by the way, an "Eastern shoreman." Looking at what there is in this country whereby one can make money—no place more charming at which to spend it—I find it in raising Jersey cattle, dairying, sheep-raising, canning oysters, fish, shrimp, figs, oranges, &c. These are certain. Fruit and vegetable-raising ought to be; I do not say will be. I think there must be money in selling poultry and eggs in New Orleans, Mobile, and other places.

How about land? Poor; but far better than much of New Jersey, Delaware, Eastern shore of Maryland and Virginia, East side of Lake Michigan, parts of Illinois, along lake-shore ports of Wisconsin and Minnesota. But you must make your land.

To do this you can get the cheapest fertilizer in the world, cotton-seed meal, at about twenty-five dollars (\$25) per ton. Sow this on land in spring. Then sow field peas. Turn under. Sow again; turn under and lime, and by fall you have made your land good, rich, mellow, that will bring you anything possible to climate.

Price of land? Well, I had as well tell it. From two bits (twenty-five cents) an acre to \$1.50, according to location. Of course, on water-fronts you pay fancy prices.

Rainfall about 60 inches per annum. Health!—Well, people come here for that.

I shall spend some time here, and enquirers can write to me here or at New Orleans, La.

Pardon length. Not half through.

M. B. HILLYARD.

### Babcock & Wilcox Water-Tube Steam Boilers.

Economy of fuel is becoming one of the most important considerations in the successful prosecution of manufacturing enterprises; and in these days of close competition this is more necessary than ever before. Another consideration also of great importance is safety in the use of steam. These two essentials are both found combined in the water-tube boilers made by the Babcock & Wilcox Company. These boilers may be said to be absolutely safe, not only in theory but in practice,—their construction being such that an explosion to produce any serious results is impossible, a statement that is fully borne out by the record of the many hundreds of Babcock & Wilcox boilers in use in all parts of the United States, as well as in foreign countries. Their superior merit is attested by the fact that when once placed in an establishment that afterwards requires increased power, the new boiler is almost if not absolutely certain to be a Babcock & Wilcox. Looking over the catalogue of this company, we find how this has worked. In 1871 the Decastro & Donner Sugar

This list could be greatly extended; but we merely desire to give a few names to show what those who once use this boiler think of it.

The accompanying illustration shows a battery of boilers erected by the Babcock & Wilcox Co. of New York, at their factory in Glasgow, Scotland, for Mr. Luciano G. Barbon, in Yngenio Fortuna, Cuba. The battery is divided into three sections, each containing two independent boilers of 104-horse power each, making six boilers of an aggregate of 624-horse power. They are used for generating the steam for power needed on a large sugar plantation. Their value as fuel economizers is seen in the fact that the fuel used is the well-known "bagasse," which is merely the refuse crushed sugar-cane after the juice has been pressed out of it by the powerful crushers of the mill. This has previously been rotted, burned outside or dumped in any way to get rid of it. Within the past few years, however, it has been utilized as fuel. In this particular case it will be seen that the fire-doors are very much larger than in the coal-burning boilers, by the same builders; and, as is seen in the foreground,

far reported, are such that the system is being steadily more widely introduced.

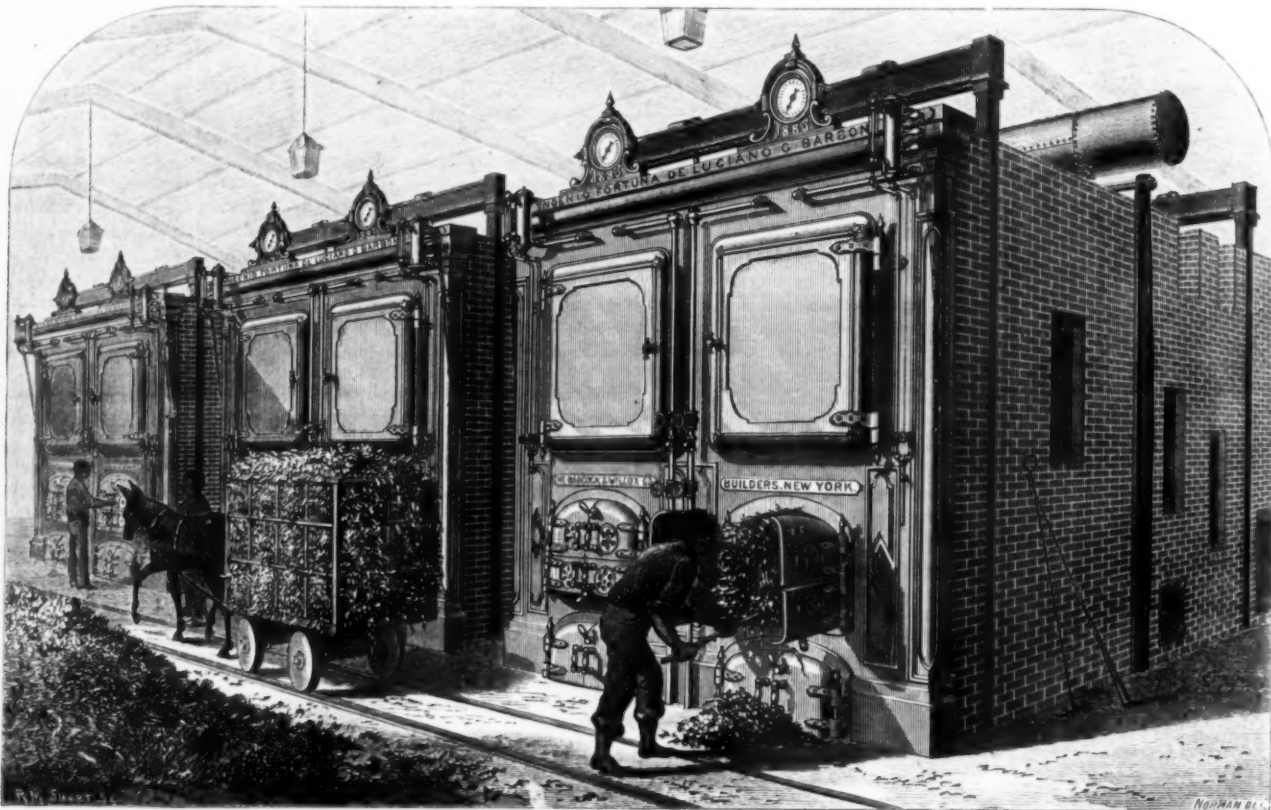
For almost all places where steam power is required these boilers are adapted, and their absolute safety added to their value as fuel savers commends them to the consideration of every manufacturer. Catalogues and all desired particulars can be obtained from the Babcock & Wilcox Co., 30 Courtlandt street, New York.

#### List of Patents.

The following patents were granted to citizens of the Southern States, bearing date May 20, 1884. Reported expressly for this paper by Louis Bagger & Co., mechanical experts and solicitors of patents, Washington, D. C.

- 299,053. Brown, A. R., Gainesville, Tex. Stalk-cutter.
- 298,739. Ellis, Jas. W., Cameron, Tex. Mechanical power.
- 299,062. Ellis, R. H. P., Baltimore, Md. Thill coupling.
- 298,961. Ford, B. F., Hollis, Tex. Fence.
- 298,743. Gathright, A. P., Harmony Grove, Ga.—Gin saw-mill machine.
- 298,969. Higgin, Henry, Newport, Ky. Strap-fastening loop for carriage curtains.
- 298,958. Johnson, G. H., Salisbury Furnace, Va.—Harrow and cultivator.

A Birmingham, Ala., letter says that "To-day the Birmingham Iron Works commenced the manufacture of a machine that is likely to make a complete revolution in the cotton-seed oil manufactures. Your correspondent has just returned from a visit to the foundry where this machine is being built. Mr. Moss, of the firm of Moss & Little, of Rome, Ga., one of the inventors, was found, and freely gave information concerning this machine. The owners claim that it will triple the capacity of oil mills at a reduction of great expense. Three cakes are made in a box, without the expense of hair mat meal bags now in universal use. The machine is very simple and easy in operation, and promises to have a large sale at once. We learn that the oil men are eager to take hold of the machine, and many orders are already booked. The trial machine will be completed in a few days and shipped to Memphis, Tenn., for trial. A company will be formed with a capital stock of \$100,000 for the manufacture, in the event the machine proves satisfactory at the Memphis test, while there is no doubt but that it will come fully up to expectations of its inventors."



BABCOCK & WILCOX WATER-TUBE STEAM BOILERS.

Refining Co. of New York gave their first order for one of these boilers, while their seventh order was ten years later; and now they have 19 Babcock boilers, with an aggregate of 2,880-horse power. The Brooklyn Refining Co. have 10 of these boilers, of 2,000-horse power, the first having been purchased in 1876 and the last in 1882. Possibly a tabular statement giving only a few of these cases may prove of interest:

PURCHASER.	1st order.	Last order.	No. of boilers.	H. P.
Decastro & Donner Sugar Refinery.....	1871	1881	19	2,880
Brooklyn Sugar Refining Co.....	1876	1882	10	2,000
Havemeyer Bros. & Co. 1871	1883	14	2,420	
Matthieson & Wlechers.....	1871	1882	12	2,408
Harrison, Havemeyer & Co.....	1871	1882	22	4,040
Belcher Sugar Refinery 1872	1881	9	1,925	
Marshall Sugar Refinery.....	1880	1882	8	1,250
Yngenio Union, Cuba, 1879	1881	5	650	
Harlan Woolen Mill, 1878	1881	4	706	
Bound Brook Woolen Mill.....	1878	1881	5	685
Rosamond Woolen Mills.....	1878	1883	5	362
Standard Oil Company 1880	1883	23	2,558	
Baader, Adamson & Co. 1879	1882	7	979	
Walton, Whann & Co. 1873	1881	6	567	
Cornwall & Bro. ....	1874	1882	3	165
La Fayette Hotel.....	1872	1881	3	320
Jessup & Moore Paper Company.....	1871	1881	12	1,350
Singer Manufacturing Co. 1871	1881	42	4,410	
McCallough Iron Co. 1874	1882	14	815	

a tramway from the mill runs in front of the boilers, while a peculiar crate, loaded on a truck, is drawn by the mule and brings in the "bagasse."

The fireman is shown in the foreground filling the furnace with this peculiar fuel, which on a large plantation amounts to thousands of tons. It is rather a novel sight, a sugar plantation, anyway, and these innovations which are now being adopted on the old practice only prove that the owners of these plants are looking carefully to everything which can in any way reduce the cost or increase the production, and the Babcock & Wilcox Water-Tube Boilers are a strange contrast to the old-fashioned boilers that were formerly in use on the Island of Cuba, while the engines and mills have undergone a corresponding improvement. In this particular case, the fuel costs virtually less than nothing, from the fact that it is taken from the crushing mill to the furnace door where it is burned, and in the other case it would have to be carried away, and perhaps handled two or three times before burning. It saves fuel, and the results, so

- 298,981. Judson, C. H., Greenville, S. C. Fire-arm.
- 298,980. Leedy, John K., Tom's Brook, Va. Compressed air water-elevator.
- 298,994. McMillon, M. F., Trappe, Md. Tricycle
- 298,795. Moran, L. P., Handley, W. Va. Coal drilling machine.
- 298,772. Otto and Fox, Wheeling, W. Va. Glass pot.
- 298,883. Palmer, W. W., Montague, Texas. Well-bucket windlass.
- 298,904. Sheppard, John L., Charleston. Machine for mixing grain.
- 298,789. Sigbee, C. D., Annapolis. Trunk stay.
- 298,790. Simmons, J. S. & R. M., Belton, S. C. Portable building.
- 299,031. Smoot, W. W. and R. D., Wilcoxson, Ky. Automatic brake.
- 299,036. Taylor, G. W., A. R. Cox, W. C. Brown and J. N. Sutherland, Belton, S. C. Fire-extinguisher.
- 298,916. Travis, F. M., New London, Va. Drier for fruit, &c.
- 298,986. Watson, Samuel, Marion, S. C. Hoe.
- 299,045. Williams, Julius M., Dutch Mills, Ark. Water elevator and carrier.

If you are not already a subscriber to the BALTIMORE MANUFACTURERS' RECORD, send us \$3 and you will receive it regularly for one year or six months for \$1.50.

#### Important to Southerners.

Persons arriving in New York via Cortlandt Street Ferry, by taking the 6th Avenue Elevated Train, corner Church and Cortlandt streets, can reach the Grand Union Hotel in 42d street, opposite Grand Central Depot, in twenty minutes, and save \$3 carriage hire. If en route to Saratoga or other summer resorts via Grand Central Depot, all baggage will be transferred from hotel to this depot free. 600 elegantly furnished rooms \$1 and upwards per day. Restaurant the best and cheapest in city. Families can live better for less money at this hotel than at any other first-class hotel in the city.

TRAVELERS going to Cincinnati will do wisely to stop at the Palace Hotel. It is centrally located, is convenient to the depots, the leading business houses and the street-car lines. Its rooms are large, well lighted, well ventilated and well furnished. It has broad stairways and two hydraulic elevators. The charges are as low as at any other first-class hotel.



## THE MARKETS.

OFFICE MANUFACTURERS' RECORD,  
BALTIMORE, May 28, 1884.

While we have had an occasional failure of some badly managed bank and a few heavy failures of private firms in different parts of the country, the financial outlook has rather improved since our last issue, and the prospect for the future is considered as more cheerful. It is surprising to note how, with a very few exceptions, the bank suspensions have been caused by wrong-doing on the part of their officers. In some cases the officers have speculated with other people's money, while in others they have advanced money to outside speculators without sufficient security. There are good reasons for expecting that after the troubles produced by this flurry in the stock market are over, business will improve, and towards late summer or fall become very satisfactory.

The local manufactured iron trade continues quiet, buyers and sellers being disposed to wait until it is seen whether there is to be a strike or not. We quote nominally as before, viz:

Ref. Bar Iron, 1 to 6 1/2 x 1/2 to 1 1/2	1.90	2 c
" " 1 to 4 1/2 x 1/2 to 1 1/2	1.90	2 c
" " 1/2 to 2, round and square	1.90	2 c
Hoop Iron, 1 1/2 wide and upward	2.25	3 c
Band Iron, from 1/2 to 6 in. wide	2 1/2	2.00
Horseshoe Iron	3.25	3.30
Norway Nail Rods	5 00	5 1/2 c
Black Diamond Cast Steel	10 00	11 c
Machine Steel	4 1/2	4 3/4 c
Spring Steel	3 1/2	4 c
Common Horse Nails	10 00	11 c
Railroad spikes, 5 1/2 x 9-16	2.50	2 1/2 c

The demand for pig iron is about the same, sales being made to a moderate extent as consumers need for their immediate wants. Prices are as before, viz:

Baltimore Charcoal Wheel Iron (as Baltimore ore)	28 00	29 00
Virginia C. B. Charcoal Wheel Iron	28 00	29 00
Anthracite, No. 1	21 00	23 00
" " 2	20 00	21 00
" " 3	18 00	20 00
Mottled and White	16 00	17 00

### Philadelphia Iron Market.

PHILADELPHIA, May 26, 1884.

The iron trade has been quiet and steady during the past week. Demand for most kinds of material has been fair and prices show very little change. The production of pig iron is so light that the moderate demand has enabled makers to obtain full prices for the best makes. Quotations are \$20 to \$20.50 for No. 1 foundry; \$18 to \$19 for No. 2, and \$18 to \$18.50 for Gray Forge. In all ordinary irons there is a large supply and some weakness in prices. There is very little inquiry in the market. Mill men who have been negotiating for forge in the hope that a suspension in the West would improve their business, have dropped the matter under the discouraging reports from Pittsburgh.

There is very little sale for any kind of foreign iron. Bessemer is quoted at \$19.75 to \$20.50, with buyers willing to pay less than \$19. Spiegeleisen is quoted at \$27.75 to \$28.25, without any sales of importance. Steel rail crop ends are quoted at \$21 to \$22.

The bar mills are taking a good many small orders at prices ranging from 1.85 to 1.90 for refined, and 2 cts. for the best qualities. A few mills have plenty of work on hand, but most manufacturers are anxiously looking out for new business. Mills in the interior are taking orders for small lots of car iron at very low prices. Nails are active, and \$2.50 is the usual price, though less is taken for large lots. Common plate iron sells as low as \$2.10 in some cases. Structural iron is moving slowly at old prices. Wrought pipes and tubes are selling well, but in small lots, at the combination rates. Sheet iron, especially galvanized, is in active demand.

\$32 to \$32.50 is quoted for steel rails; only small lots are moving; \$33 is wanted by makers, but the declining tendency in

prices still keeps on, and there is no telling where it will stop.

Old material is very dull; \$31 is quoted for large lots of old tee rails, with very little demand, but consumers making offers at a good deal less. Scrap is in large supply, but very few sales are made. \$23.50 is asked for best No. 1; cargo lots are nominally \$21 to \$21.50; muck bars are nominally \$32 to \$33, though very little iron can command the outside figure.

### Cincinnati Iron Market Report.

Specially reported by ROGERS, BROWN & Co.,  
Pig Iron Commission.

CINCINNATI, May 26, 1884.

The iron market has sustained itself well under the trying circumstances of the past two weeks. It is hard to see that the financial troubles in the East have produced the least effect on prices. Demand is confined almost entirely to present needs, but this is only a continuation of the policy of buyers for months past. An occasional trade is heard of, of a partly speculative nature, where buyers have availed themselves of favorable offers, and taken in considerable blocks of iron for future use; but, with few exceptions, there is no pressure to sell, and no accumulation of stocks. Most of the large commission houses have practically, if not wholly, withdrawn from the selling field for the present, contenting themselves with filling the orders that come in by mail. It is generally thought that by midsummer, when the question of a strike among the rolling mills has been settled, and more is known with regard to the growing crops, the market will take a more definite shape, and there will be an improved feeling. All branches of the iron trade are generally in a sound and healthy condition, and figure but little in the daily reports of business failures. We quote for cash f. o. b. cars Cincinnati:

HOT-BLAST FOUNDRY.		
Hanging Rock C. C., No. 1	21 50	23 00
" " 2	19 50	22 00
Southern " "	20 00	20 50
Strong Coke, " 1	18 50	19 00
" " 2	17 25	17 75
" " 3	17 00	17 25
Soft Stone Coal, " 1	18 50	19 25
" " 2	17 00	17 75
FORGE.		
Strong Neutral, No. 1 Mill	16 00	16 00
Cold Short, " 1	15 00	15 50
CAR WHEEL AND MALLEABLE.		
Hanging Rock C. B.	30 00	31 00
" " W. B.	30 00	34 00
Southern Car-Wheel Iron	34 50	35 00
Lake Superior " "	24 00	24 50
" " Malleable	24 50	25 50

Specially reported by E. L. HARPER & Co.

CINCINNATI, May 26, 1884.

There is no marked change in the market since our last report. Business generally is dull, but there is an undercurrent of silent activity in iron that is moving perhaps the bulk of the visible supply and relieving the market sufficiently to preclude a plethora condition. The close of next week will determine the wage issue between the rolling mill proprietors and their employees, and the result of the conferences must be a matter of conjecture simply. The ability of the mills to pay the scale demanded is not considered by the workmen; their attitude, like that of the stove molders, would indicate that the great enterprises they are employed in should be run solely for their lucrative compensation. The stove manufacturers are solidly determined to conduct their own business, and have closed their doors against the union as a union. Aside from these labor agitations, the iron industries of the country, though confessedly depressed, are not in a desperate condition at all, and with good crops assured and confidence in monetary circles restored, a better feeling will prevail and buying will be more liberal; and should the rolling mills continue running, the demand for pig iron will necessarily be increased, as the stocks in the mill yards are very light.

We quote as prices current:

FOUNDRY.		Four Months.
Hanging Rock Charcoal, No. 1	23 25	23 25
" " 2	21 25	22 25
Strong Neutral Coke, " 1	18 00	19 00
" " 2	17 00	18 00
American Scotch, " 1	18 00	19 00
GREY FORGE.		
Neutral Coke	16 00	17 00
Cold Short	16 00	16 50
CAR WHEEL AND MALLEABLE.		
Hanging Rock, strictly cold blast	24 25	27 75
" " warm	24 00	24 50
Lake Superior Charcoal, all grades	24 00	25 00
South. Car Wheel, strictly cold blast	26 00	26 50

### Louisville Iron Market.

Specially reported by GEO. H. HULL & Co., Commission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, Ky., May 26, 1884.

The tone of the market continues dull, but the volume of weekly sales continues exceptionally large, and as consumers buy, as a rule, only what they need for immediate use, the amount going into consumption is large. Stocks continue to be reduced, but the tone of the market is not improved. We quote for cash in round lots as below:

PIG IRON.			
Southern Coke, No. 1 Foundry.....	18 50	19 00	00
"    "    2	17 00	17 75	00
Hanging Rock Coke, No. 1 Foundry.....	19 00	19 50	00
"    "    Charc'l	22 00	23 00	00
Southern Charcoal, No. 1 Foundry.....	19 00	21 00	00
Silver Gray, different grades.....	15 50	17 50	00
Southern Coke, No. 1 Mill, Neutral.....	16 00	16 50	00
"    "    2	15 00	15 50	00
"    "    1 Cold Sh't	15 25	15 75	00
Southern Charcoal, No. 1 Mill.....	16 00	18 00	00
White and Mottled, different grades	14 00	14 50	00
Southern Car Wheel, stand'd brands.....	26 00	27 00	00
"    "    other brands.....	22 00	24 00	00
Hanging Rock Cold Blast.....	37 00	38 00	00
"    "    Warm	21 00	23 00	00

Specially reported by W. B. BELKNAP & Co., Nails, Wire, Iron, Hardware, Carriage and Wagon Goods.

LOUISVILLE, Ky., May 26, 1884.

As we said last week, the only interest in the market centres on the uncertainty of June labor troubles. Manufacturers are unwilling to sell freely except for present month's delivery, and buyers, while anxious to protect their wants beyond peradventure, are convinced there will be no advantage in placing orders now for later wants should the mills continue in operation. Shrinkage has been so persistent and steady that one does not like to run any risk of suffering more. Still if the present rate of wages is maintained, it would seem hardly possible that the price can be unfavorably affected. We should rather expect to see the less well-situated mills drop out one by one. Jobbing price on bars from store here 1.85@1.90.

Sheet.—Heavier gauges are dull, though the mills claim to be busy on plates. Light sheets are claiming more inquiry, and some of the largest makers have stiffened up 2.00 per ton on recent prices. The decline has been heavier on this line of goods than on any others.

Nails are going into consumption freely. The local demand is exceptionally good.—We doubt if there was ever a time when more new buildings were being erected here than now. They are chiefly in the way of moderate-sized residences, bespeaking a growth of population. Many of our manufacturers, too, are enlarging, and several new enterprises are well under way. The very cheap coal that pours in on us from all sides is beginning to assert its true place as a contributor to our wealth.

Wire.—Plain wire is unchanged. Price is firm to solidity, but barb wire has reacted slightly, and is now not near so scarce. Fence-building is suspended, while plowing, harrowing and planting is at its height.

General trade is fair for the season. The marketing of vegetables and fruits is putting a good deal of ready cash into circulation. The financial disturbances East have had no especial effect here. Money is easy and the banks in good condition. The action of the L. & N. R. R. directory in promptly repudiating the use of the company's fund to sustain its stock should inspire confidence in the management. As this move, it is understood, was mainly

### DROWNE & POLLARD, MILL ENGINEERS

Butler Exchange, Providence, R. I.

Plans, Specifications and Estimates furnished for the Construction, Equipment and Operation of MILLS, BLEACHERIES AND DYE WORKS.



THE LARGEST & BEST EQUIPPED IN THE SOUTH.

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### BALTIMORE, MD.

CORRESPONDENCE SOLICITED—ESTIMATES CHEERFULLY FURNISHED.



### SHEET IRON ROOFING.

Northrop's Patent Cap Seam Iron Roofing.

No rivets, screws or nails through the sheets. Easily applied and perfectly watertight.

### CRIMPED IRONS

of various styles for Roofing and Siding.

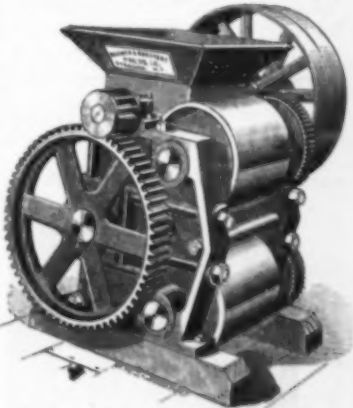
### IRON CEILING.

ORNAMENTAL. DURABLE. FIRE-PROOF.

### A. NORTHROP & CO.

97 First Avenue, PITTSBURGH, PA.

### CRUSHERS.



Presses, Heaters, Hullers, &c.

For Small or Medium-size

### COTTON-SEED OIL MILLS.

Can furnish estimates for a complete mill or any part thereof. Also BAILING PRESSES for Cotton, Woolen or Paper factories.

Lard, Tallow, Oil and Paraffine Presses.

Correspondence solicited.

Boomer & Boschert Press Co., Syracuse, N. Y.

Or 219 Fulton St., New York City.

instigated by the Louisville directors, the suggestion that the president should have his office here instead of in Wall street is met with general approval. The same principle might well apply, indeed, to all Western roads. The association of speculation with business has been too intimate.

## HARDWARE.

The market is fairly active on harvest tools and machinery, and on other lines of season goods; but the general trade is moderate. Dealers are looking for considerable activity later in the summer.

The demand for nails is slack at former prices, \$2.50 to \$2.60, according to quantity. Should there be a strike June 1st in the iron mills nails would doubtless advance, but the opinion prevails that the manufacturers and their men will so arrange wages as to avoid a strike.

The manufacturers of the Excelsior Roller and Clipper Lawn Mowers, the Pennsylvania and Quaker City Lawn Mowers, the Continental Lawn Mower and the Philadelphia Mower, have all issued circulars stating that there will be no change this season in the prices of these goods. There are on the market some cheaper mowers made by manufacturers not in the combination.

## St. Louis Iron Market.

Specially reported by HOFFER & Co., Pig Iron and Iron Ore, No. 318 Olive Street.

St. Louis, May 26, 1884.

There is no change to report in this market. We continue quotations nominally the same:

HOT-BLAST CHARCOAL.	
Missouri.....	\$19 00@20 00
Southern.....	20 00@22 00
Ohio.....	24 00@26 00
COKE AND COAL.	
Missouri.....	19 00@20 00
Southern.....	18 50@19 50
Ohio.....	21 00@25 00
MILL IRONS.	
Red Short.....	17 00@17 50
Neutral.....	16 00@17 00
CAR-WHEEL AND MALLEABLE IRON.	
Missouri.....	19 00@20 00
Southern.....	25 00@28 00
Ohio.....	23 00@25 00
Iron, par.	

## Chattanooga Iron Market.

Specially reported by S. B. Lowe.

CHATTANOOGA, TENN., May 26, 1884.

Iron has experienced no alteration worthy of notice since our last report. The Southern founders, as a general thing, are buying in car-load lots only, although we notice a few have made contracts at present low prices to do them for the next six months. The furnaces in this immediate district are running full capacity, with no stocks accumulating. We quote:

## Derby Roll Top Desks.

—Best Office Desk in the World.—



Cherry, Walnut, Oak, Ash and Mahogany.

Send for Illustrated Catalogue.

**DERBY & KILMER DESK CO.**

55 Charlestown St., Boston, Mass.

No. 1 Foundry.....	\$17 50 @18 50
No. 2 Foundry.....	16 50 @17 00
Gray Forge.....	14 00 @15 00
Car-Wheel Metal.....	22 00 @24 00
Nails, car load lots.....	2 50 @—
Bar Iron.....	1 70 @—
Old Rails.....	only nominal.
Wrought Scrap, No. 1.....	15 00 @—
" " No. 2.....	12 00 @—
Spikes (Railroad).....	2 40 @—
Light Rails.....	12 00 @—
Cotton Tie Clippings.....	10 00 @—
Barbed wire—4-pt. galvanized.....	6 @—
" " Cambria Link.....	6 @—

## BUSINESS CHANCES.

For the purpose of making the MANUFACTURERS' RECORD a still more valuable medium of communication between its readers North and South, we will publish, FREE OF CHARGE, short advertisements, not exceeding 40 words, from those in the South who have mills, factories, manufacturing sites or water-power for sale, capital wanted for industrial enterprises, &c., &c.; while readers in other sections who desire to engage in manufactures at the South are also invited to use these columns, without cost, either in seeking information regarding the advantages and special claims of different localities, or for asking about good openings for men and money. This department is also free for Southern manufacturers who wish to advertise for mill managers, superintendents, engineers, &c. In corresponding with any of these advertisers please mention the Baltimore Manufacturers' Record.

**FLOUR MILL FOR SALE.**—Steam flouring mill; three run of stones. Machinery in first class condition. Best run of custom of any mill in this section. Everything favorable to large and profitable business. Satisfactory reason for selling. For particulars address Harrison & Sons, Kenton, Tenn.

**A ONE SET WOOLEN MILL FOR SALE.**—Located four miles south of Jonesboro, Washington county, Tenn.; runs by water, about thirty-horse power; good two-story house, 40x50 feet, and a full set of machinery; only been run two years. Also another water-power on the same stream, with buildings, &c. As much land with each water-power as parties would want. Will sell for cash or exchange for farming land. Will give some time, on part payment. For further particulars address Henry Miller & Son, Carver's Mill, Tenn.

**FOR SALE.**—A cotton mill situated on the line of the Illinois Central Railroad, near the city of Canton, Miss., in a splendid cotton region, good water supply, cheap fuel, labor abundant. The factory would be equally well adapted to spinning on a large scale, by improved methods, and cotton-seed-oil mill combined. The property consists of 28½ acres land, lying along the railroad; factory building 100 yards from the railroad, in the centre of the tract, substantially built brick, 200x90 feet; contains one English engine, 200-horse, two English lappers, shafting and pulleys. There is a double dwelling-house on the property. Bigsby & Edmonds, Baltimore, Md.

**A GOOD INVESTMENT.**—Bearing Orange Grove, twenty miles south of Jacksonville, on the St. John's River, forty-three acres, title perfect. Six hundred orange trees—three hundred bearing. House of five rooms; fine water. Crop this year fifty thousand oranges. Address Orange Grove, care of MANUFACTURERS' RECORD, Baltimore, Maryland.

**A THOROUGHLY competent Corlies engineer** of 10 years experience with engines and boilers, wants a situation in the South. Understands cotton-mill engines. Best of references as to capabilities, habits, &c. Address ENGINEER, care MANUFACTURERS' RECORD.

**A PRACTICAL cotton manufacturer** of New England, with an experience of 25 years as lessee and manager, wishes to negotiate for management of a Southern cotton mill. Will buy some of the stock, if satisfactory. Can furnish letters from some of the best men in the business. Address E. B., care MANUFACTURERS' RECORD.

**MAN WANTED TO RUN A PAPER MILL.**—A man who has experience in paper making and a few thousand dollars can find the necessary facilities and capital for putting up and running a paper mill at Salem, Roanoke county, Va. No paper mill within 150 miles. Address W. M. Graybill, Salem, Va.

**WANTED.**—A partner in a furniture manufacturing enterprise, 50 miles from Atlanta, Ga. Location is in a good country, immediately on the railroad. Shop, machinery and power all new and first-class. An experienced man with some capital will find this a good opening. For further particulars address FURNITURE, MANUFACTURERS' RECORD.

**SOUTHERN COTTON MILL FOR SALE.**—One of the best-known and best-paying mills in the South, running 8,161 spindles, will be sold, to enable division of the property among heirs. Includes 100 acres of land, and river falls, water-power of 6,000-horse power, and can be cheaply increased to 18,000 or 20,000-horse power. Sites on the property for other factories. \$50,000 to \$90,000 worth of new machinery put in in last four years. Mill now in very prosperous condition. A stratum of granite runs through the place, affording an almost inexhaustible supply, as good as any in the country for building purposes. Pure water. Climate healthful and salubrious. Maps, plans, specifications, inventory, and all desired information furnished on application. Address BIGSBY & EDMONDS, Publishers MANUFACTURERS' RECORD, Baltimore.

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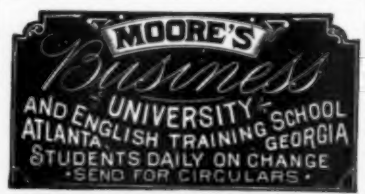


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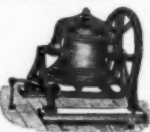
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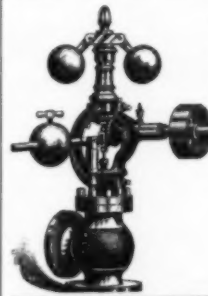
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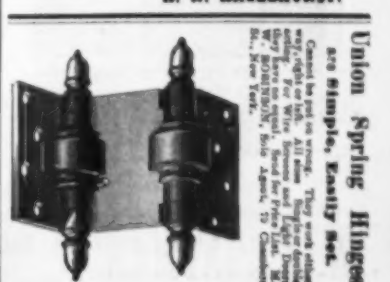
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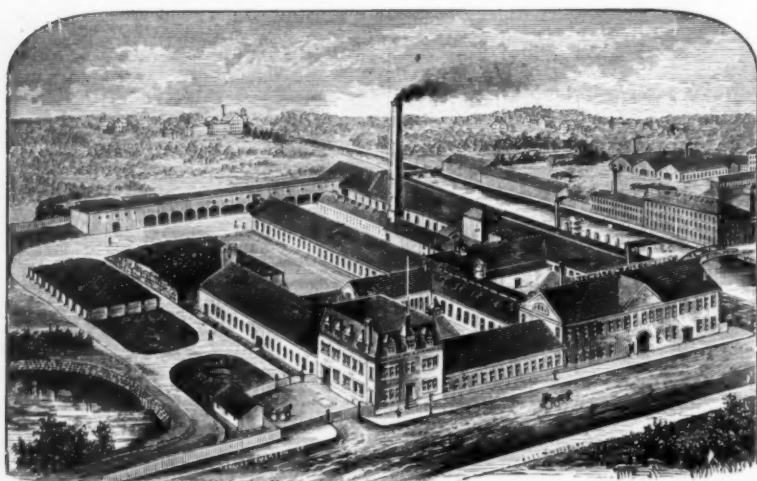
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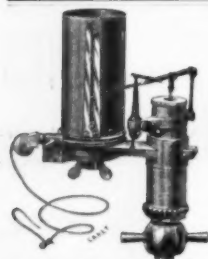
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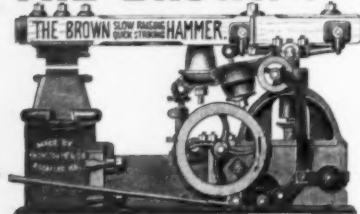
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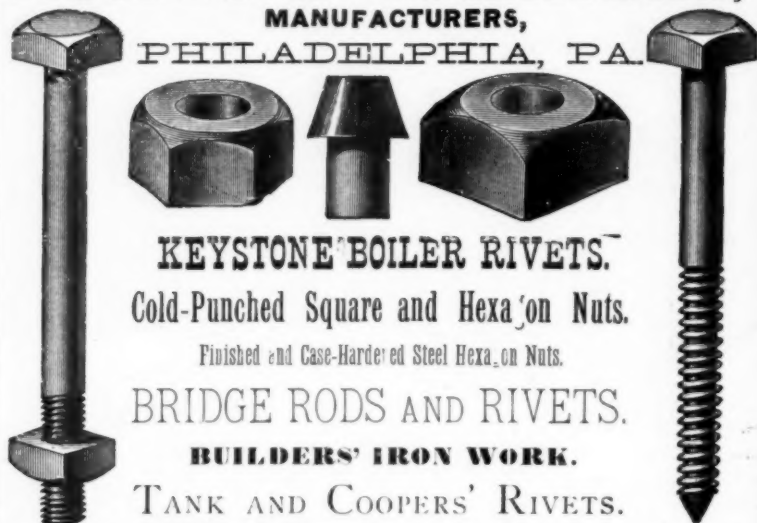
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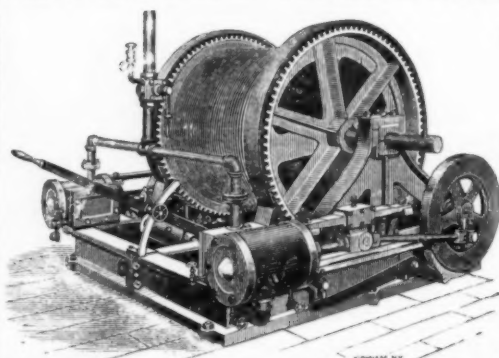
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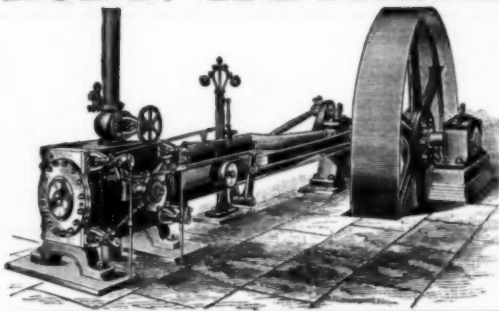
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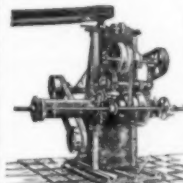
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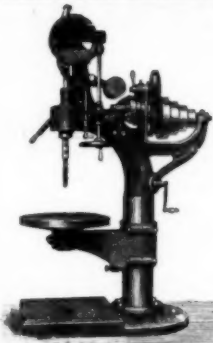
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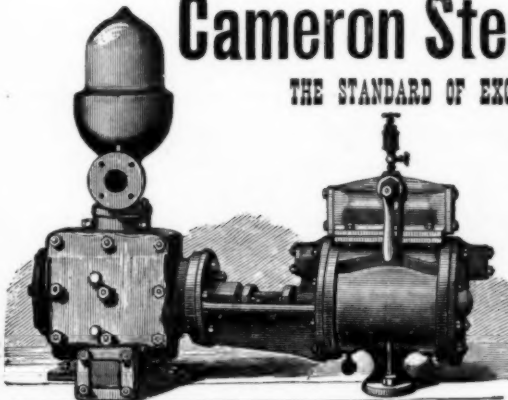
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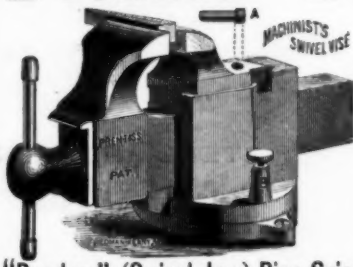
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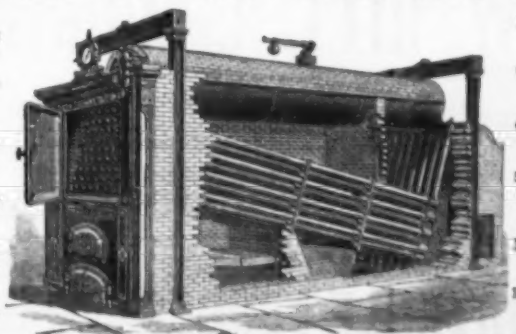
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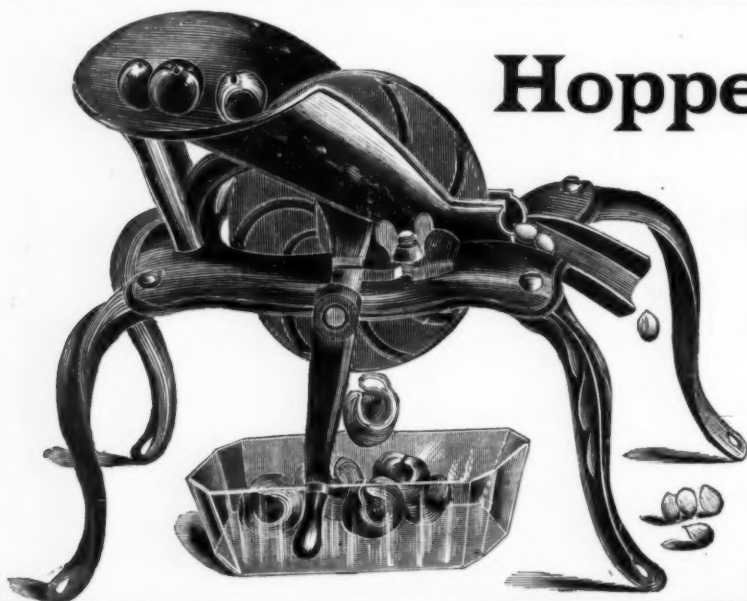
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Patton Mfg. Co.—Enamelled and Tinned Hollow Ware.  
Roy & Co.—Strap and T. Hing. and Wrought Butts.  
Saratoga Horse Nail Co.  
Scott Mfg. Co.—Peach and Apple Parers, etc.  
George M. Scott.—Blacksmith Bellows.  
Wilson Mfg. Co.—Coffee Mills, Vices and Ship Hardware.  
Walker's Horse and Mule Shoes.  
International and Pimlico Brand of Horse Nails, Foreign and Domestic Hardware, Cutlery, Chains, Pistols, etc.



IMPROVED 1884.

**Hopper Cherry Seeder.****SCOTT MANUFACTURING CO., Baltimore, Md.**

ALSO MANUFACTURERS OF

SCOTT'S ROTARY KNIFE PEACH PARERS.

"Improved VICTOR" Apple Parers, Corers and Slicers.

"ORIOLE" Apple Parers, Corers and Slicers.

"GOLD MEDAL" Apple Parers.

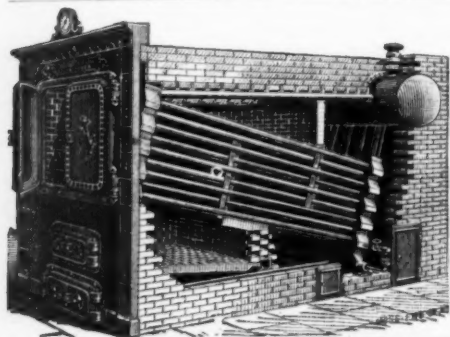
WALKER'S Pine Apple Slicers.

PHILLIPS' Fruit and Vegetable Evaporators.

BIXBY'S Best Water Filter and Deodorizer.

**JACKSON & TYLER BALTIMORE.****MACHINERY, TOOLS AND SUPPLIES.**

Shafting, Hangers and Pulleys, Belting, &amp;c., Sombart Gas Engines, Baxter Steam Engines. Send for New Illustrated Catalogue

**SAFETY WATER-TUBE**

**Boiler Works**  
**Zell & Burton,**  
Manufacturers under the Zell Patents.

We make a specialty of contracting for the erection of Engine and Boiler Plants.

**Also, MANUFACTURERS' AGENTS**

—FOR THE—

BUCKEYE AUTOMATIC ENGINES.  
ZELL Retort FURNACES for Steam Boilers.  
CONDENSERS, HEATERS, PUMPS, &c.

Office and Works, No. 42 N. HOLLIDAY STREET, BALTIMORE, MD.

**S. W. RITTER, Millwright,**

—BUILDER OF—

Flour and Saw Mills, Drug and Chemical Works, Portable Mills, Smut Machines, Mill Stones, Bolting Cloths, Brushes, Guano Fertilizer Mills, and General Mill Supplies,

261 S. Caroline Street, BALTIMORE, MD.

**PORTABLE FORGES**

Empire Portable Forge Co.  
Cohoes, N. Y.  
Send for Catalogue.



Illustrated Circulars, giving full information, sent free on Application.

**STUEBNER & WOODS,**  
168 and 170 East Third St.  
HUNTER'S POINT,  
Long Island City,  
N. Y.



MANUFACTURERS OF

**STEEL AND IRON****\* COAL TUBS \***

Side and Bottom Dumping Cars,  
Coal and Coke Barrows,  
HOISTING BLOCKS, ETC.

**PEERLESS Pressure Recording Gages**

make a perfect record of all Steam, Water or Gaseous Pressures. Best and Cheapest Gage in the world. SEND FOR CIRCULAR. FOR SALE BY THE TRADE.

S. P. JONES, 28 SCHOOL STREET, BOSTON, MASS.

**White Mountain Freezer Co.**

MANUFACTURERS OF

SANDS' PATENT TRIPLE MOTION

**White Mountain Ice-Cream Freezer.**

The only Freezer ever made having three distinct motions, thereby producing finer, smoother Cream than any other Freezer on the market. Acknowledged by every one to be the best in the world. Over 300,000 in use to-day. Outside Irons galvanized, but all inside the can coated with Pure Black Tin. Tube water-proof, machinery easily adjusted and operated. We also carry large stock of Packing Tubs, Packing Cases, Ice Crushers, &c. Send for Price List and Trade Discounts.

—Address—

**White Mountain Freezer Co.**

102 E. HOLLIS ST., NASHUA, N. H.





## HARDWARE.

## Baltimore WHOLESALE Prices.

**ANVILS.**  
 Eagle and Vulcan..... 10 lb 10c, dis 20 c  
 Wright's..... 10 lb 10c  
 Armstrong's Mouse Hole..... 10 lb 10c  
 Trenton..... 10 lb 10c  
 Wilkinson's..... 10 lb 10c

**ANGERS AND BITS.**  
 Conn. Valley Mfg. Co..... dis 60 c  
 Douglas Mfg. Co..... dis 60 c  
 Cook's Douglas Mfg. Co..... dis 60 c  
 Griswold..... dis 60 c  
 Patent Solid Head..... dis 60 c  
 Russell Jennings' Auger, Bowel Machine..... dis 60 c  
 Dowel and Hand Rail Bits..... dis 60 c  
 Ives' Jennings' Bits..... dis 60 c  
 Expans. Bits, Clark's, small, 1/8; large, 3/16, dis 25 c  
 Expansive Bits, Blake's..... dis 25 c  
 Expansive Bits, Ives..... dis 25 c  
 Hollow Augers, Ives..... dis 25 c  
 Hollow Augers, Douglas..... dis 25 c  
 Hol. Aug., Borey's Adjust., 1/2 doz \$48, dis 30 c  
 Hol. Aug., Stearns' Adjust., 1/2 doz \$48, dis 30 c  
 Hol. Aug., Ives' Expansive, each 4.50, dis 30 c  
 Hol. Aug., Universal Expansive, each 4.50, dis 30 c  
 Wood's..... dis 25 c  
 Gimlet Bits..... dis 25 c  
 Gimlet Bits, Diamond..... dis 25 c  
 Double Cut Gimlet Bits, Shephardson's..... dis 40 c  
 Double Cut Gimlet Bits, Douglas..... dis 40 c  
 Double Cut Gimlet Bits, Ives..... dis 40 c  
 Morse's Bit Stock Drill..... dis 35 c  
 L'Hommedieu's Ship Augers..... dis 15 c

**AWL HAFES.**  
 Sewing Brass Ferrule..... \$3.50 gross, dis 40 c  
 Patent Sewing, Short..... \$10 gross, dis 40 c  
 Patent Sewing, Long..... \$10 gross, dis 40 c  
 Patent Peg, Plain Top..... \$10 gross, dis 40 c  
 Patent Peg, Leather Top..... \$12 gross, dis 40 c

**AWLS, BRAD SETS, &c.**  
 Awls, Sewing, Common..... 75c to \$1  
 Awls, Shouldered Peg..... 75c to \$1  
 Awls, Patent Peg..... 75c to \$1  
 Awls, Handled Brad..... \$2.70 gross, dis 25 c  
 Awls, Handled Brad..... \$2.70 gross, dis 25 c  
 Brad Set, Alken's..... \$12 gross, dis 40 c  
 Brad Set, Stanley's, No. 1..... \$10 gross, dis 40 c  
 Brad Set, Stanley's, No. 2..... \$10 gross, dis 40 c  
 Brad Set, Stanley's, No. 3..... \$10 gross, dis 40 c  
 Brad Set, Stanley's, No. 4..... \$10 gross, dis 40 c

**AXES.**  
 Collins & Co..... \$7.25; beveled, \$7.75  
 Cohoes Mfg. Co..... \$7.25; beveled, \$7.75  
 Lippincott or Mann's..... \$7.25  
 Single Bit, 4 1/2 to 5 1/2 and under..... \$7.25 net  
 Single Bit, 5 1/2 to 6 and over..... \$7.75 net  
 Double Bit, 4 1/2 to 5 1/2 and under..... \$10 gross, dis 40 c  
 Double Bit, 5 1/2 to 6 and over..... \$10 gross, dis 40 c  
 Double Bit, beveled..... \$10 gross, dis 40 c  
 Second quality Axes..... 50 cts. less than above

**AXLES.**  
 Sheldon & Co., Iron..... 55 c off  
 " " Steel..... 55 c off  
 Axle Grease—Frazier's..... 15 lb 6c

**BALANCES.**  
 Spring Balances..... dis 25 c 10 g

**BELLS.**  
 Hand, Light Brass..... dis 70 c  
 Hand, White Metal..... dis 70 c  
 Hand, Silver Chime..... dis 20 c 10 g  
 Hand, Globe (Cone's Patent)..... dis 25 c 10 g  
 Gong, Abbe's..... dis 25 c 10 g  
 Gong, Yankee..... dis 25 c 10 g  
 Gong, Barton's..... dis 25 c 10 g  
 Leon Reading..... dis 25 c 10 g  
 Paul, Brook's..... dis 25 c 10 g  
 Crank, Taylor's..... dis 25 c 10 g  
 Lever, Sargent's..... dis 25 c 10 g  
 Bloomfield..... dis 25 c 10 g  
 Lever, R. & E. M. Co.'s..... dis 25 c 10 g  
 Call..... dis 25 c 10 g  
 Cow, Common Wrought..... dis 55 c 10 g  
 Cow, Western, Sargent's List..... dis 55 c 10 g  
 Cow, Kentucky, Sargent's List..... dis 55 c 10 g  
 Cow, Moore's or Dodge's, Genuine Ky., new list..... dis 55 c 10 g  
 No. 1, 1 1/2, 2, 3, 4, 5, 6 Hog (dis 60 c)  
 Cow, Texas "Star"..... dis 40 c

**BELLOWS.**  
 Blacksmith's Common..... dis 50 c  
 Molders'..... dis 50 c  
 Hand Bellows..... dis 25 c

**BLIND FASTENERS.**  
 Francis..... dis 20 c  
 Mackrell's..... \$10 gross, dis 40 c  
 Van Sand's Screw Pattern..... \$10 gross, net  
 Van Sand's Old Pattern..... \$10 gross, net  
 Merriman's..... new list, net  
 Zimmerman's, 10 1/2 in..... \$30 gross, dis 40 c  
 Zimmerman's, 9 in..... \$30 gross, dis 40 c  
 Zimmerman's, without screws..... \$30 gross, dis 40 c

**BLIND STAPLES.**  
 Barbed, 1/2 in. and larger..... 11 c net  
 Barbed, 3/4 in..... 11 c net  
 Barbed, 1 in..... 11 c net

**BLOCKS.**  
 Penfield Block Co., Rope and Iron Strap'd..... dis 40 c

**BOLTS.**  
 Cast Iron Barrel Shutter, &c..... dis 55 c 10 g  
 Cast Iron Chain (Sargent's list)..... dis 60 c 10 g  
 Wrought Barrel..... dis 55 c 10 g  
 Wrought Square..... dis 55 c 10 g  
 Wrt. Shutter, all Iron, Stanley's list..... dis 50 c 10 g  
 Wrt. Shutter, Brass Knob, Stanley's list..... dis 50 c 10 g  
 Wrought Shutter, Sargent's list..... dis 55 c 10 g  
 Wrought Sunk Flush, Sargent's..... dis 55 c 10 g  
 Wrought Sunk Flush, Stanley's..... dis 55 c 10 g  
 Wrought B. K. Flush, Stanley's..... dis 55 c 10 g  
 Ca-lage and Tire, Common, new list..... dis 75 c  
 Carriage and Tire, Philadelphia Pattern..... dis 50 c  
 Carriage Bolts, Clarke's..... dis 80 c  
 Carriage Bolts, Lancaster Bolt Co..... dis 80 c

**BOLTS.**  
 Excelsior, Low List..... dis 60 c 10 g  
 Norway..... dis 75 c  
 R. B. & W. Carriage (old list)..... dis 75 c  
 Tire, American Screw Co.'s, Phila..... dis 75 c  
 Tire, "Bay State"..... dis 60 c, new list  
 Eagle Philadelphia Tire Bolt..... dis 80 c  
 Stove..... dis 60 c  
 Flow..... dis 60 c 10 g  
 Machine..... dis 70 c  
 Bolt Ends and Lag Screws..... dis 70 c

**BOLTS.**  
 15c 1/2 net.

**BRACES.**  
 Q. S. Backus..... dis 50 c  
 Barber's..... dis 40 c  
 Spofford's Patent..... dis 50 c  
 Ives' Patent Braces..... dis 50 c  
 Common Ball (American)..... dis 50 c  
 Amidon's..... dis 50 c

**BORING MACHINES—WITHOUT AUGERS.**  
 Sweet & Clark upright, 30 angular..... 4.40 net  
 Lawrence..... 3.00 net  
 Hubbard..... 3.00 net  
 Phillips, with Augers..... 7.00 net

**BRACKETS.**  
 Shelf, plain..... dis 50 c 10 g  
 Shelf, fancy..... dis 55 c 10 g

**BRIGHT WIRE GOODS.**  
 New Hat..... dis 70 c 10 g  
**BULL HINGE.**  
 Union Nut Co..... dis 55 c  
 Sargent's..... dis 55 c  
 Humason, Beckley & Co.'s..... dis 55 c  
**BUTTS.**  
 Wrought Brass..... dis 75 c  
 Cast Brass, Fast Joint..... dis 30 c 10 g  
 Cast Brass, Loose Joint..... dis 10 c 10 g  
 Fast Joint, Narrow..... dis 45 c 10 g  
 Fast Joint, Broad..... dis 45 c 10 g  
 Loose Joint..... dis 45 c 10 g  
 Loose Joint, Jap. with Acorns..... dis 60 c 10 g  
 Loose Joint, Jap. with Acorns..... dis 60 c 10 g  
 Parliament Butts..... dis 60 c 10 g  
 Mayer's Hinges..... dis 60 c 10 g  
 Loose Pin, no Acorn..... dis 60 c 10 g  
 Loose Pin, Acorns..... dis 60 c 10 g  
 Loose Pin, Acorns, Jap'd, Plated..... dis 60 c 10 g  
 Loose Pin, Acorns, Jap'd, Plated..... dis 60 c 10 g  
 Tips..... dis 60 c 10 g

**Wrought Iron.**  
 Fast Joint, Narrow..... dis 60 c 10 g  
 Fast Joint, Lt. Narrow..... dis 60 c 10 g  
 Fast Joint, Broad..... dis 60 c 10 g  
 Loose Joint, Broad..... dis 60 c 10 g  
 Table Butts, Back Flaps, &c..... dis 60 c 10 g  
 Inside Blind, Regular..... dis 60 c 10 g  
 Inside Blind, Light..... dis 60 c 10 g  
 Loose Pin, Wrt..... dis 60 c 10 g  
 Loose Pin, Light..... dis 60 c 10 g

**Spring Hinges.**  
 Geer's Spring and Blank Butts..... dis 25 c  
 Clarke Hardware Co.'s..... dis 50 c 10 g  
 American Spring Hinge Co.'s..... dis 25 c  
 Gem Spring Hinges..... dis 25 c  
 Blind Butts, Shepard's, Nos. 50 and 60..... dis 70 c  
 Blind Butts, Shepard's, No. 70..... dis 70 c  
 Blind Butts, Lull & Porter..... dis 75 c  
 Blind Butts, Huffer..... dis 75 c  
 Blind Butts, Clark's, Nos. 1, 3, 5..... dis 70 c 10 g  
 Standard Lull & Porter..... dis 75 c

**BOW PINS.**  
 Humason, Beckley & Co.'s..... dis 55 c 5 g  
 Sargent & Co.'s..... \$19.70 and 21.40, dis 60 c 10 g  
 Hotchkiss..... dis 25 c

**BUTCHER'S CLAYERS.**  
 Humason & Beckley Mfg. Co..... dis 25 c  
 Bradley's..... dis 25 c  
 Beatty's..... dis 25 c  
 1 2 3 4 5 6 7 8  
 \$10.50 19.00 21.50 24.00 27.00 30.00 33.50 36.50

**CAN OF NAILS.**  
 American..... \$7.50 gross, dis 10 c  
 New Idea..... \$15.00 gross  
 No. 4, French..... \$25.00 gross, dis 55 c  
 No. 5, Iron Handle..... \$25.00 gross, dis 55 c  
 Sardinia Scissors..... \$25.00 gross, dis 55 c  
 Sprague, No. 1, \$2; No. 2, 2.25; No. 3, 2.50, dis 50 c 10 g  
 Universal..... \$25.00 gross, dis 33 c 10 g

**CAPS, PERCUSSION.**  
 U. M. C. F. C. ground..... dis 10 c 10 g  
 U. M. C. F. L. ground..... dis 10 c 10 g  
 U. M. C. Cen. are ground..... 70c  
 U. M. C. Double W. Proof..... \$1.40, dis 10 c 5 g  
 G. D. & S. B..... 33c, dis 10 c  
 E. B. 1-10, Eley's..... 60c  
 Musket, in 1-10's..... 55c  
 Hicks Ground Edge in Brass Boxes..... 55c

**CARTRIDGES.**  
 Rim..... dis 50 c 10 g  
 Central Fire, pistol size..... dis 35 c 10 g  
 " " Military..... dis 35 c 10 g  
 B. B. Caps, Round Balls..... 1.75  
 Swaged Conical..... 1.90

**NEW LIST ON CARTRIDGES.**  
 Rim-fire, 22, short..... \$5 long..... \$6 00  
 " 32..... 10 00  
 " 38..... 15 00  
 " 41..... 18 00  
 Central Fire—22, \$11.00; 38, \$13.50; 41, 15.00; 44, \$19.

**CARDS.**  
 Horse and Curry, new list, July, 1881..... dis 10 c  
 Cotton, new list, July, 1881..... dis 10 c  
 Wool, new list, July, 1881..... dis 10 c

**CARPET STRETCHERS.**  
 Cast Steel, Polished..... \$25.00, dis 30 c  
 Cast Iron, Steel Points..... \$25.00, dis 30 c  
 Bullard's..... dis 25 c

**CARTERS.**  
 Bed..... dis 47 c 10 g  
 Plate and Shallow Socket..... dis 47 c 10 g  
 Deep Socket..... dis 47 c 10 g  
 Martin's Patent (Phoenix)..... dis 25 c

**CATTLE LEADERS.**  
 Humason, Beckley & Co.'s..... dis 60 c 10 g  
 Sargent's..... dis 60 c 10 g  
 P. S. & W..... dis 25 c 10 g

**CHAIN.**  
 German Halter and Coll Chain..... dis 50 c 10 g  
 Trace, Breast and Fancy..... dis 45 c 10 g  
 Oneida Halter Chain (old list)..... dis 45 c 10 g  
 Galvanized Pump Chain..... 1 lb 8c net  
 Jack Chain, Iron..... dis 60 c 10 g  
 Jack Chain, Brass..... dis 60 c 10 g

**CHALK.**  
 White..... \$90 gross, net  
 Red..... \$85 gross, net  
 Blue..... \$90 gross, net  
 White Crayons..... \$90 gross, net

**COTTON LINES.**  
 Cotton Fish Lines..... dis 35 c 10 g  
 Cotton Chalk Lines, 30 feet..... dis 35 c 10 g  
 No. 1, 1 1/2, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

**CATTLE LEADERS.**  
 Humason, Beckley & Co.'s..... dis 60 c 10 g  
 Sargent's..... dis 60 c 10 g  
 P. S. & W..... dis 25 c 10 g

**CHAIN.**  
 German Halter and Coll Chain..... dis 50 c 10 g  
 Trace, Breast and Fancy..... dis 45 c 10 g  
 Oneida Halter Chain (old list)..... dis 45 c 10 g  
 Galvanized Pump Chain..... 1 lb 8c net  
 Jack Chain, Iron..... dis 60 c 10 g  
 Jack Chain, Brass..... dis 60 c 10 g

**CHALK.**  
 White..... \$90 gross, net  
 Red..... \$85 gross, net  
 Blue..... \$90 gross, net  
 White Crayons..... \$90 gross, net

**COTTON LINES.**  
 Cotton Fish Lines..... dis 35 c 10 g  
 Cotton Chalk Lines, 30 feet..... dis 35 c 10 g  
 No. 1, 1 1/2, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209,



## LOCKS AND LATCHES.

Cabinet, Eagle, } Changes made in list price  
Cabinet, Gaylord, } of some numbers Jan. 1,  
Cabinet, Bridgeport, } 1881, dis 25&2 \$  
Cabinet, P. & F. Corbin, } dis 40 \$  
Trunk, new list, Jan. 1, 1881, } dis 15&2 \$  
Yale Lock Co., Flat Key, } dis 40 \$  
Plate, } dis 35&2 \$  
DOOR LOCKS, ETC.

Branford, }  
Norwalk, } List prices as revised  
P. & F. Corbin, } Dec. 6th, 60&2 \$  
Russell & Erwin, } for cash.  
Mallory, Wheeler & Co., }  
Palllocks—Russell & Erwin, } dis 45 \$  
Mallory, Wheeler & Co., } (and 25 for cash)  
Wm. Wilcox & Co., }  
Wm. Wilcox & Co.'s Plate Locks, } dis 33 \$  
Yale Lock Manuf. Co.'s "Standard", } dis 40 \$  
Romer's, } dis 25&40 \$  
Conestoga, } dis 75 \$  
Scandinavian, "Norwich", } dis 50&10 \$

## MEAT CUTTERS.

Perry's (P. S. & W.) Nos. 1 2 3 4  
✓ doz \$14 \$17 \$19 \$30-dis 35 \$  
Each, Nos. 1 2 3 4 5 11 13 36 dis  
Woodruff's (P. S. & W.) Nos. 100 150  
✓ doz, 115 18-dis 35 \$  
Hales' Nos. 11 13 15  
✓ doz, \$37 35 45-dis 50&10&2 \$  
Kieser's No. 55, ✓ doz, \$40 ✓ doz, dis 40 \$  
Kieser's Gem, ✓ doz, dis 40 \$  
Kieser's No. 82, ✓ doz, dis 40 \$  
Kieser's Monarch, ✓ doz, dis 40 \$  
Beef Shaver, (Enterprise Manuf. Co.), ✓ doz, dis 25 \$

## MOLASSES GATES.

Stebbins Patterns, } dis 70&10 \$  
Stebbins Genuine, } dis 67&10 \$  
Stebbins Tinned Ends, } dis 40&10 \$  
Chase's Hard Metal, } dis 50&10 \$  
Self-Measuring, (Enterprise), } dis 20 \$  
Lincoln's Pattern, } dis 60&10 \$  
Weed's, } dis 15 \$  
Boss Nos. 1 2 3 4  
✓ doz, \$7 8 9 10, ✓ doz  
Boss, Japanned Finish, } dis 60&10&10 \$  
Boss, Bronze Finish, } dis 60&10&10 \$

## NUTS AND WASHERS.

Square Nuts, } 8 c off list  
Hexagon Nuts, } 8 c off list  
Washers, } 7 c off list  
Zinc and Tin, } dis 60&10 \$  
Brass and Copper, } dis 50 \$  
Malleable (Hammer's), ✓ doz \$5, dis 75c, net  
PINKING IRONS, ✓ doz 75c, net

## PLANING MACHINES.

Astor Planing Machine, each \$15, dis 30 \$  
Crown Planing Machine, } dis 35 \$  
6 in., \$6; 10 in., \$8 each.  
PLANES AND PLANE IRONS.  
Bench, First Quality, } dis 30 \$  
Bench, Second Quality, } dis 25 \$  
Molding, } dis 15 \$  
Bailey's (Stanley R. & L. Co.) new list, Jan. 1879, } dis 30&10 \$  
The Stanley (S. R. & L. Co.) new list, } dis 30&10 \$  
January 1879, } dis 30&10 \$  
Bailey's, } dis 30&10 \$  
Plane Irons, Butcher's, } \$5.50 to }  
Plane Irons, Auburn Tool Co., } dis 20 \$  
Plane Iron, Ohio Tool Co., } dis 20 \$  
Plane Irons, Sandusky Tool Co., } dis 20 \$

## PLIERS AND NIPPERS.

Button's Patent, } dis 33 \$  
Hall's Pat. Compound Lever Cutting Nippers, } No. 2, 5 in., \$13.50; No. 4, 7 in., \$21 ✓ doz, dis 25 \$  
Gas Pliers, } dis 60 \$

## PLUMBS AND LEVELS.

Stanley R. & L. Co.'s Pat. Adjustable, } dis 65&10 \$  
Stanley R. & L. Co.'s Non-Adjustable, } dis 65&10 \$  
Chapin's Patent Adjustable, } dis 65&10 \$  
Chapin's Non-Adjustable, } dis 65&10 \$  
Standard Rule Co.'s Non-Adjustable, } dis 65&10 \$  
Standard Rule Co.'s Adjustable, } dis 65&10 \$  
Pocket Levels, } dis 65&10 \$

## SLIDING DOOR, WROUGHT BRASS.

Sliding Door, Wrought Brass, ✓ lb. 43c, dis 30 \$  
Sliding Door, Bronze Paint, Iron ✓ ft. 12c, dis 35 \$  
Sliding Door, Iron, Painted, ✓ ft. 4c, dis 10&10 \$  
Barn Door, ✓ inch, }  
Per 100 feet, \$2.00 3.60 5.00-dis 10 \$  
B. D. for N. E. Hangers—  
Small Med. Large.  
Per 100 feet, \$2.10 2.70 3.90-net

## RIVETS.

Iron and Tinned, new list, Dec. 10, 1881, } dis 40 \$  
in bulk, new list, Dec. 10, 1881, } dis 40 \$  
Copper Rivets and Burrs, }  
Nos. 7 8 9 10 11 12 13 14 15  
✓ lb. 49c. 50c. 52c. 54c. 56c. 58c. 60c. 62c. 70c.  
RIVET SETS, } dis 40 \$

## RODS.

Stair, Brass, } dis 25 \$  
Stair, Black Walnut, } 60c. ✓ doz.-nett

## BOXWOOD.

Chapin's, } dis 70&10 \$  
Standard, } dis 40&10 \$  
Stanley, }  
Stevens & Co., 70 & 10% Ivory, } 50 \$  
Stevens & Co. Miscellaneous, } 50 & 10 \$

## SAD IRONS.

Self-Heating, Charcoal, ✓ doz, \$9.00 net  
Mrs. Pitt's Irons, } dis 25 \$  
Enterprise Star Irons, new list, July 20, '82, dis 35 \$  
Comb'd Flatter and Sad Iron, ✓ doz, \$15.00, dis 15 \$  
Common Sad Irons, } 3 c. ✓ lb.

## SAND PAPER.

Reader & Adamson's Flint, 000/1 ✓ r.m. \$4.50 ✓ r.m. ✓  
Reader & Adamson's Flint, 2, 2 1/2 ✓ r.m. \$3.50 ✓ r.m. ✓  
Reader & Adamson's Flint, Assort'd 4.75 ✓ r.m. ✓  
Reader & Adamson's Star, } 3.75 ✓ r.m. ✓  
Reader & Adamson's Emery ✓ r.m. \$6.50 (11.50) ✓  
J. Bartle's Sand, Flint and Emery Paper, } 30&5 \$

## SAND COHD.

Common, } ✓ lb. 14c. net  
Patent, } ✓ lb. 17c. (10c. net)  
Silver Braided Lake Hemp, } ✓ lb. 50c. dis 10 \$  
Silver Braided Lake White Cotton, } ✓ lb. 50c. dis 10 \$  
Silver Braided Lake Drab Cotton, } ✓ lb. 55c. dis 10 \$  
Silver Lake Cable Laid, Bengali unbleached  
Hemp, 17 cts, } dis 10 \$  
Russian Hemp, 19 cts, } dis 10 \$  
Italian Hemp, 34 cts, } dis 10 \$

## SAND WRIGHTS.

Solid Eyes, in 500-lb. lots and over, ✓ lb. 14c. net  
SAUSAGE STUFFERS OR FILERS.  
Miles, } ✓ doz, \$30, dis 25&5 \$  
Perry, } ✓ doz, No. 15; No. 0, \$31, dis 25 \$  
Enterprise Mfg Co., } dis 25 \$  
Monarch, } dis 40 \$

## SAWS.

Boynnton's Lightning Cross Cuts, new list, dis 40 \$  
Boynnton's Circular and Mill, } dis 40 \$  
Boynnton's Ice, } dis 25 \$

Boynnton's Lightning Hand, Panel and Rip, dis 25 \$  
Dieston's Circular, } dis 40 \$  
Dieston's Mill, } dis 40 \$  
Dieston's Cross Cut, } dis 40 \$  
Dieston's Hand, Panel, Rip, } dis 40 \$  
Hubbard, Bakewell & Co. Cir. Saws, } dis 40&5 \$  
Hubbard, Bakewell & Co. Cross Cut, } 30c. ft.  
Hubbard, Bakewell & Co., One-Man's, X Cut, } dis 40&5 \$  
Hubbard, Bakewell & Co., Mill Saws, } dis 40&5 \$  
Peace Circular and Mill, } dis 40 \$  
Peace Hand, Panel and Rip, } dis 25 \$  
Peace Cross Cuts, } dis 35 \$  
Peace Hand Saws, all widths, } dis 10 \$  
Webster Cross Cut, with Handles, } dis 25&10 \$  
Griffin's Hack Saws and Blades, } 30 \$

## SAW BLADES.

White, } ✓ doz \$1.05, dis 10 \$  
Saw Blades, } \$10 list, dis 10&10 \$  
SAW SETS.  
Stillman's Genuine, ✓ doz, \$3.50 and \$5.50, dis 10 \$  
Stillman's Imitation, ✓ doz, \$3.25, dis 30&10 \$  
Common Lever, ✓ doz, \$2.00, dis 30&10 \$  
Leach's, No. 0, \$3.00; No. 1, \$1.15; dis 15 \$  
Hammer, Hotchkiss, } \$5.50, dis 10 \$  
Aiken's Genuine, } \$13.00, dis 50&10 \$  
Aiken's Imitation, } \$7.00, dis 50 \$  
Dieston's, } dis 30 \$  
Morrill's, No. 1, \$15; No. 5, \$9, dis 35&10 \$

## SCALES.

Hatch, Counter, No. 171, ✓ doz, \$42, dis 37&10 \$  
Hatch, Tea, No. 161, ✓ doz, \$15.00, dis 37&10 \$  
Tatton Platform, } \$6, dis 45 \$  
Chicago Scale Co., } Special dis  
Fairbanks, } dis 20 \$  
Forsyth Scale Co., } dis 45 \$  
Howe's, } dis 20 \$  
Chatillon's Grocers, } dis 40 \$  
Chatillon's Eureka, } dis 25 \$  
Family Universal, } dis 50 \$  
Family Favorite, } dis 30 \$  
Family Turnbush, } dis 30 \$  
Scale Beams, List of Jan. 12, 1882, } dis 50 \$

## SCRAPPERS.

Adjust. Box Scraper (S. R. & L. Co.), \$6.50, dis 30&10 \$  
Box, 1 Handle, ✓ doz, \$4, dis 10 \$  
Box, 2 Handle, ✓ doz, \$6, dis 10 \$  
Foot, } dis 45 \$  
Ship, common, } ✓ doz, \$3, net  
Wilson Mfg Co, } dis 10 \$

## SCREW DRIVERS.

Douglas Mfg Co., } dis 20&10 \$  
Dieston's, } dis 40 \$  
Cowles Mfg Co., } dis 50&10 \$  
Stanley Rule & Level Co.'s Var. Hds. dis 30&10 \$  
Stanley Rule & Level Co.'s Bl'k Hds. dis 40&10 \$  
Ratchet, } dis 3 1/2 \$  
Clark's Patent, } dis 25 \$  
Shepardson, } 25 \$

## SCREWS.

Flat H'd Iron, list Dec. 27, '81, } dis 70 \$  
Round Head Iron, } dis 50 \$  
Flat Head Brass, } dis 60 \$  
Round Head Brass, } dis 15 \$  
Flat Head Blued add 2 1/2 \$ to net of invoice.  
Brass and Silver Cap Screws, } dis 40 \$  
Japanned, list of Cap Screws, } dis 30 \$  
Coach, Patent Gimlet Point, } 60&10 \$  
Coach, Common or Lag, } 60&10 \$  
Bed, } dis 10 \$  
Machine, Flat Head, Iron, } dis 55 \$  
Machine, Round Head, Iron, } dis 50 \$  
Bench, Iron, } dis 50&10 \$  
Bench, Wood, Hickory, } ✓ doz, \$2.00, dis 30 \$  
Hand, Wood, } dis 20&10 \$  
Hand Rail, Sargent's, } dis 60&10 \$  
Hand Rail, Humason, Beckley & Co.'s, } dis 40&10 \$  
Hand Rail, Am. Screw Co., list Jan. 1, '81, } dis 70 \$  
Jack (Wilson's), } dis 25 \$

## SCREEN FRAMES AND FIXTURES.

Standard Window Screens No. 1, ✓ doz, \$4; 2, \$5  
Door, } No. 5, \$15; dis 40&10 \$  
Window Corner Irons, No. 3, doz, s'ts, \$2  
Door, } No. 6, " \$3  
Door Latches, ✓ dozen, } dis 40&10 \$  
Porter's Patent Window and Door Screen Frames:

## PER DOZ. SETS.

In Im. Bl'k  
White. Walnut.  
No. 20, } \$2.75 \$3.25 ✓  
No. 21, } 3.25 4.00 ✓  
No. 22, } 3.50 6.75 ✓  
No. 23, } 6.00 7.50 ✓  
No. 30, } 9.00 11.00 ✓

## No. 0. Corners and Sticks complete for a

three-foot window, ✓ doz. sets, } \$4  
No. 1. Set for Window, ✓ doz. sets, Bronze, } \$2.40; Nickel, \$5.62  
No. 1 1/2, " ✓ doz. sets, Bronze, } \$3.25; Nickel, \$7.50  
No. 4, " ✓ doz. sets, Bronze, } \$4.00; Nickel, \$8.00  
No. 4 1/2, " or Door, ✓ doz. sets, Bronze, } \$1.20; Nickel, \$3.00  
No. 4 1/2, " or Door, ✓ doz. sets, Bronze, } \$2.00; Nickel, \$4.00  
No. 2 1/2, " Door, ✓ doz. sets, Bronze, } \$6.75; Nickel, \$15.00  
No. 3, " ✓ doz. sets, Bronze, } \$12.00; Nickel, \$24.00

## SHEARS AND SCISSORS.

American (Cast) Iron, } dis 70&10 \$  
Pruning, } see Pruning Hooks and Shears  
Barnard's Lamp Trimmers, } ✓ doz, \$4.00  
Tinners, } dis 15 \$  
Conn. Shears, } dis 80 \$  
Norfolk Shear Co., } dis 75 \$  
Jersey Shears, } 60 \$  
J. Wiss & Son, Nickel, 50&55; Japanned, 60&55 \$

## SLIDING DOOR, M. W. &amp; CO.

Sliding Door, M. W. & Co., list, } dis 45&2 \$  
Sliding Door, R. & E. list, } dis 60&10&2 \$  
Sliding Door, Patent Roller, } dis 60&10&2 \$  
Sliding Door, Pt. Roller, Hatfield's, } dis 60&10&2 \$  
Sliding Door, Russell's Anti-Frict'n, } dis 60&10&2 \$  
Also see Hangers.

## SHOVELS AND SPADERS.

Ames, New List, July 1, 1881, } dis 15 \$  
Griffiths, } dis 50&5 \$  
Remington's (Lowman's Patent), } dis 30 \$  
Rowland's, } dis 60 \$  
Kimball's, } dis 35 \$  
Lippincott, new list, } dis 30 \$  
Hussy, Bins & Co., } 15 \$

## SPOKE TRIMMERS.

Bonney's, } ✓ doz, \$10, dis 40&5 \$  
Stearns, } ✓ doz, \$9, dis 30&10 \$  
Ives, No. 1, \$15; No. 2, \$12 ✓ doz, dis 55&10 \$  
Douglass, } ✓ doz, \$9, dis 15 \$

## SILVER-PLATED WARE.

Wm. Rogers Manf. Co., } dis 50, 5&5 \$  
Holmes, Booth & Hayden, } dis 40&10&5 \$  
Brown Bros., } dis 40&10&5 \$  
Wallace's Steel Silver Plated, } 30 \$  
Rogers Bros 1847, } 50 \$  
C. Rogers & Bro., } 40, 10&5 \$

## SILVER PLATED HOLLOW WARE.

Wm. Rogers Manf. Co., } dis 40, 15&5 \$  
Meriden Britannia Co., } 30 \$

## SPOONS.

Britannia, } dis 60&10 \$  
Tinned, Iron, Table and Tea, }  
Tinned Iron Basting, } 65 \$  
German Silver, } dis 40 \$

## STONE.

Hindustan No. 1, 5c; Axe, 8c, } net  
Sand Stone, } ✓ lb. 6c, dis 35 \$  
Washita Stone, } No. 1, ✓ lb. 16c. net  
Arkansas, } \$1.50 ✓ lb. net

## SQUARES.

Steel, } dis 50 \$; full cases, dis 50&10 \$  
Iron, } dis 50 \$; full cases, dis 50&10 \$  
Nickel Plated, } add \$2.50 ✓ doz., net.  
Try Square and T Bevels, } dis 50&10 \$  
Dieston's Try Square and T Bevels, } dis 40 \$

## VISES.

Solid Box—Wilson's, } dis 50 \$  
Trenton, } dis 45 \$  
Iron City Tool Works, } dis 50 \$  
Bench—Wilson's, } dis 45 \$  
Trenton, } dis 25 \$  
Parker's, } dis 30 \$  
Prentiss, } dis 25 \$  
Bonney's, } dis 35 \$  
Well Wheels, } dis 60&10&10 \$

## WIRE.

Brass and Copper, list of Jan. 17, 1884, } 15 \$  
Bright and Annealed, } Nos. 0&18, dis 50 \$  
Bright and Annealed, } Nos. 19&25, dis 60 \$  
Bright and Annealed, } Nos. 27&36, dis 70 \$  
Coppered, } Nos. 0&18, dis 50 \$  
Galvanized, Nos. 0 to 18, } market list dis 40 \$  
Tinned, Nos. 0 to 18, } dis 60 \$  
Tinned Broom Wire, Nos. 18 to 25, } dis 50 \$  
Annealed Fence, Nos. 8&9, } dis 55 \$  
Annealed Grape, Nos. 10 to 14, } dis 50&10 \$  
Fence Staples, Galvanized, } ✓ lb 7&7 1/2 c  
Japanned Barb Fence, } ✓ lb 6 c  
Galvanized Barbed Fence, } ✓ lb 6 1/2 c  
Buck Thorn Galvanized, } 6 1/2 c  
Picture Wire, } dis 40 \$  
Clothes Line Wire, Galvanized, } \$3.00 ✓ doz.  
Wire Cloth, green, drab and black, } ✓ sq ft 2 c net

## WRENCHES.

American Adjustable, } dis 45 \$  
Baxter's Adjustable "S," list Jan. 1880, } dis 30&5 \$  
Baxter's Diagonal, } dis 30&5 \$  
Coe's Genuine, } dis 60 \$  
Coe's "Mechanics", } dis 10&10 \$  
Coe's Pattern, Malleable, } dis 75 \$  
Coe's Pattern, Wrought, } dis 90&10 \$  
Girard Standard, } dis 50&10 \$  
Girard Agt., } dis 60&10 \$  
Always Ready, } \$9.00—25 \$

## WRINGERS.

Universal, XX, No. 2 1/2, } 36.00  
Universal, XX, No. 2, } 42.00  
Universal, XX, No. 1 1/2, } 51.00  
Universal, XX, No. 1, } 66.00  
Universal, XX, No. 8, } each 10.75  
Universal, XX, No. 12, } each 30.25  
Universal, XX, No. 18, } each 22.75  
Universal, XX, No. 22, } each 30.25  
Peerless, no Cogs, No. 1, } 42.00  
Peerless, with Cogs, No. 2 1/2, } 45.00  
Peerless, with Cogs, No. 3, } 48.00

## THERMOMETERS.

Tin Case, } dis 75&10 \$  
Storm Glasses, } \$3.25 ✓ doz.

## TOE CALKS.

Winsted, } ✓ lb 9c, dis 5 \$

## TRAPS.

Game, Newhouse, } dis 35 \$  
Game, Oneida Pattern, } dis 60&10 \$  
Game, Blake's Patent, } dis 40&10 \$  
Mouse, Wood, Choker, } ✓ doz holes, 16c  
Mouse, Round Wire, } ✓ doz \$1.50, dis 10 \$  
Mouse Cage, Wire, } ✓ doz \$2.50, dis 10 \$  
Mouse, Catch-em-silvery, } ✓ doz \$2.50, dis 10 \$  
Cyclon Mouse, } ✓ doz 75 cts.  
Ideal Mouse, } ✓ doz \$1.00  
Rat, "Decoy", } ✓ doz \$10.00, dis 10 \$  
Delusion Mouse, per doz, } \$1.50

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## TACKS, BRADS, &amp;c.

New List, Sept. 1, 1882.  
Tinned Swedes Tacks, } dis 30 \$  
Tinned American Tacks, } dis 30 \$  
Swedes Tacks, all kinds, } dis 30 \$  
American Cut Tacks, } dis 30 \$  
Copper Tacks and Nails, } dis 30 \$  
Hungarian Nails, } dis 35 \$  
Gimp and Lace Tacks, } dis 30 \$  
Gimp and Lace Tacks, Tinned, } dis 30 \$  
Finishing Nails, } dis 25 \$  
Trunk and Clout Nails, } dis 25 \$  
Common and Patent Brads, } dis 30 \$  
Basket Nails, } dis 20 \$  
Brush Tacks, } dis 20 \$  
Leathered Carpet Tacks, } dis 20 \$  
Cigar Box Nails, } dis 30 \$  
Chair Nails, } dis 30 \$  
Double-pointed Tacks, } dis 40&5 \$

## TAP BORERS.

Common and Ring, } dis 20 \$  
Ives' Tap Borers, } dis 15&10 \$  
Enterprise Mfg. Co., } dis 25 \$

## TOBACCO CUTTERS.

Enterprise Mfg. Co. (Champion), } dis 25 \$  
Wood Bottom, } ✓ doz \$12.00, dis 40&5 \$  
All Iron, } ✓ doz \$9.50, dis 40&5 \$  
Wilson's, } dis 35 \$

## TROWELS.

Lothrop's Brick and Plastering, } dis 25 \$  
Reed's Brick and Plastering, } dis 15 \$  
Dieston's Brick and Plastering, } dis 20 \$  
Clement & Maynard's, } dis 20 \$  
Worral's Brick, } dis 20 \$  
Brades & Waib's, } dis 20 \$  
Garden, } dis 35 \$

## TRUCKS (WAREHOUSE, &amp;c).

Handy Truck, } \$3.50 net  
Pendfield Block Co. list, 1882, } dis 35 \$  
Peerless, with Cogs, No. 3, } 54.00  
Peerless, with Cogs, No. 4, } 66.00  
Eureka, No. 2, } ✓ doz 42.00

## MISCELLANEOUS.

"Diamond" Vegetable Grater, } \$5.00 ✓ doz., 10 \$  
Rotary Knife Potato Parer, } \$18.00 ✓ doz., net  
Metallic Shingles, } \$5.50 and \$6.50 per square.  
Hopper Cherry Seeders, } \$5.00 ✓ doz net

## PAINTS, OILS, &amp;c.

## PAINTS.

Black Lamp, coach painters, } ✓ lb 20c  
Black Lamp, ordinary, } ✓ lb 6c  
Black Ivory Drop, fair, } 12&15c  
Black Ivory Drop, best, } 22c  
Black Paint, in oil, kegs, 6c; asst'd cans, 6c  
Blue Prussian, fair to best, } 40&50c  
Blue Prussian, fair to best, in oil, } 45&55c  
Blue Chinese, dry, } 70c  
Blue Ultramarine, } 15&25c  
Brown, Spanish, } 1c  
Brown, Van Dyke, } 50c  
Green, chrome, } 80c  
Green, chrome, in oil, } 90c  
Green, Paris, } good, 30c; best, 35c  
Green, Paris, in oil, } good, 30c; best, 35c  
Iron Paint, bright red, } ✓ lb 2 1/2 c  
Iron Paint, brown, } ✓ lb 1 1/2 c  
Iron Paint, purple, } ✓ lb 3c  
Iron Paint, ground in oil, bright red, } ✓ lb 5 1/2 c  
Iron Paint, ground in oil, red, } ✓ lb 5c  
Iron Paint, ground in oil, brown, } ✓ lb 4 1/2 c  
Iron Paint, ground in oil, purple, } ✓ lb 6c  
Linseed Oil, raw, } 58c  
Single Boiled, } 60c  
Double " } 62c  
Mineral Paints, } 3&4c  
Orange Mineral, } 10c  
Red Lead, American, } 6 1/2 @ 7c  
Red Venetian, (Eng.) dry, } \$1.50 to \$1.75  
Red Venetian, in oil, } asst'd cans, 9c; kegs, 6c  
Red Indian, dry, } 10c  
Rose Pink, } 10c  
Sienna, American, RAW, } 4c  
Sienna, burnt, in oil, } 8c  
Sienna, raw, } 15c  
Umber, burnt, } 40c  
Umber, burnt, in oil, } 45c  
Umber, raw, in oil, } 45c  
Vermilion, Chinese, } 90c  
Vermilion, English, } 60c  
Vermilion, American, common, } 15c  
White Lead, American, pure dry, } 6 1/2 @ 7c  
White Lead, American, pure in oil, } 6 1/2 @ 7c  
White, Paris, English, prime, } in brls. 1 1/2 @ 2c  
Yellow Ochre, French, } \$1.75  
Yellow Ochre, F'ch, in oil, asst'd cans, 9c; kegs, 6c  
Yellow Ochre, American, } in brls. 1 1/2 @ 1 3/4c  
Yellow Chrome, } 18c





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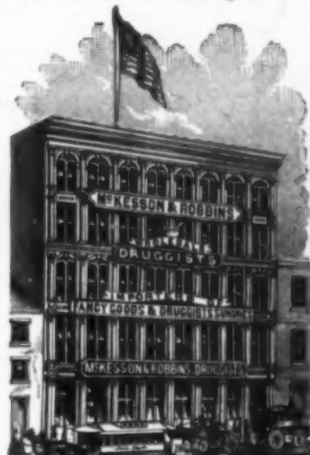
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### The Pennsylvania Lawn Mower.

#### PRICE-LIST.

10-inch.....	\$13.00
12 ".....	15.00
14 ".....	17.00
16 ".....	19.00
18 ".....	21.00
15 ".....	20.00
17 ".....	22.00
19 ".....	25.00

Discount to Trade.



LLOYD & SUPPLEE HARDWARE CO., Phila.  
E. WHITMAN, SONS & CO., Baltimore.

## THE Pennsylvania Lawn Mower.

We defy any one to Produce its Equal.

We have now in our possession a 16-inch Pennsylvania Mower, which was sold to an institute in this State, and was used nearly every working day constantly from the day it was purchased until we got it in our possession. This Mower cut five hundred acres of grass, was sharpened but once during use, and although it has not been sharpened since it came from the ground, nevertheless will cut the finest paper. We now have it in our store on exhibition, and we only secured it by giving a new machine, the parties not wanting to part with it.

## The Quaker City Lawn Mower

This is by no means an inferior Mower because at less list price. The saving in manufacture being because it is a centre cut instead of a rear cut Mower. Particularly adapted for the Southern Trade, and at the price we now offer them parties with the smallest lawns cannot well afford to permit their grass to grow wild, or be ruined by use of grass hook, sickle or scythe.

### The Quaker City Lawn Mower.

#### REDUCED PRICE.

10-inch.....	\$11.00
12 ".....	13.00
14 ".....	15.00
16 ".....	17.00

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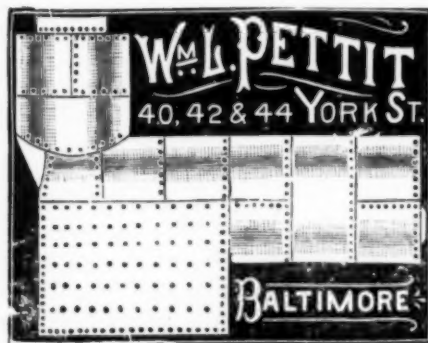


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- 1 " " 26 in., " " " " " "
- 1 " " 28 in., " " " " " "
- 1 " " 30 in., " " " " " "
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- 1 " " 48 in., " " " " " "
- 1 " " 15 in. x 4, 6 and 8 ft. Rod feed only.
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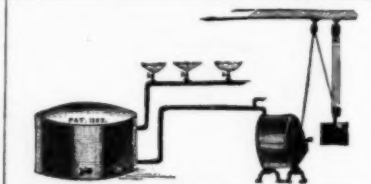
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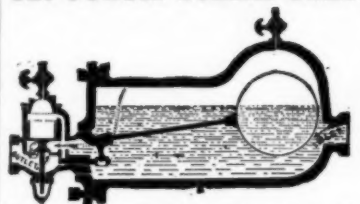
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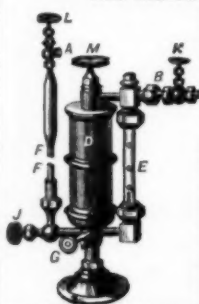
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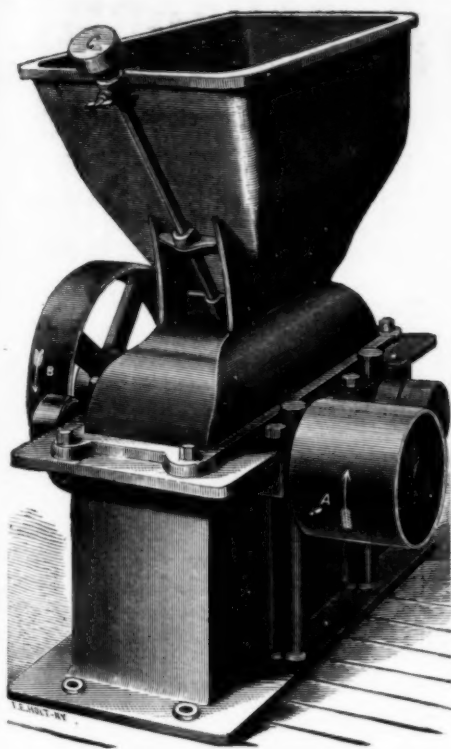
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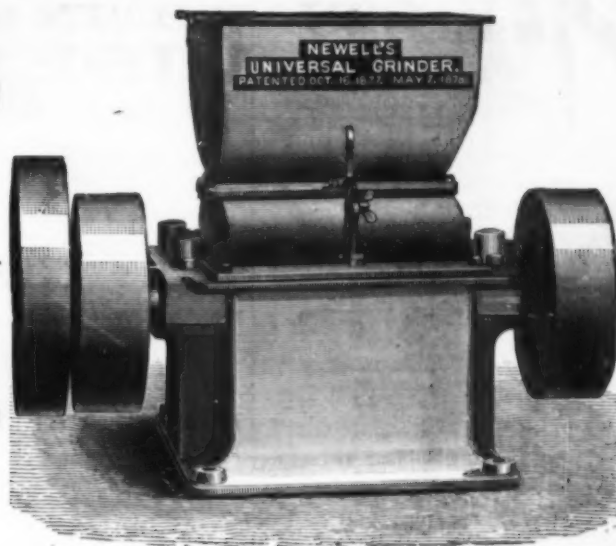
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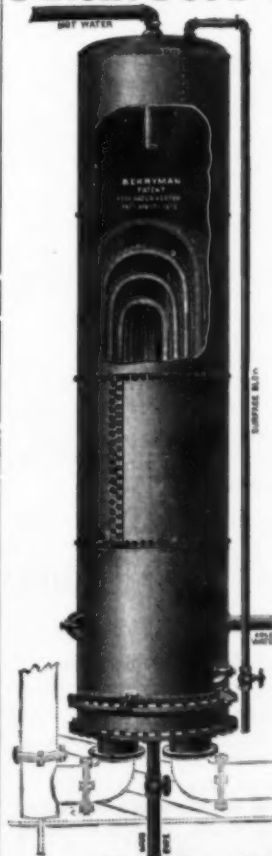
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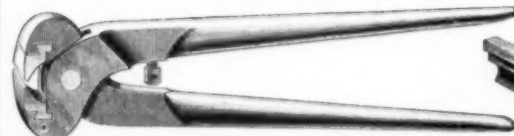
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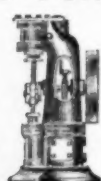
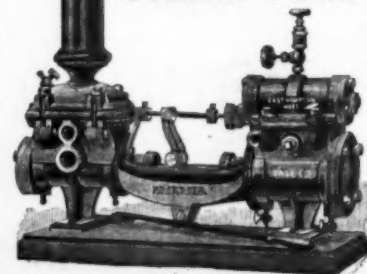
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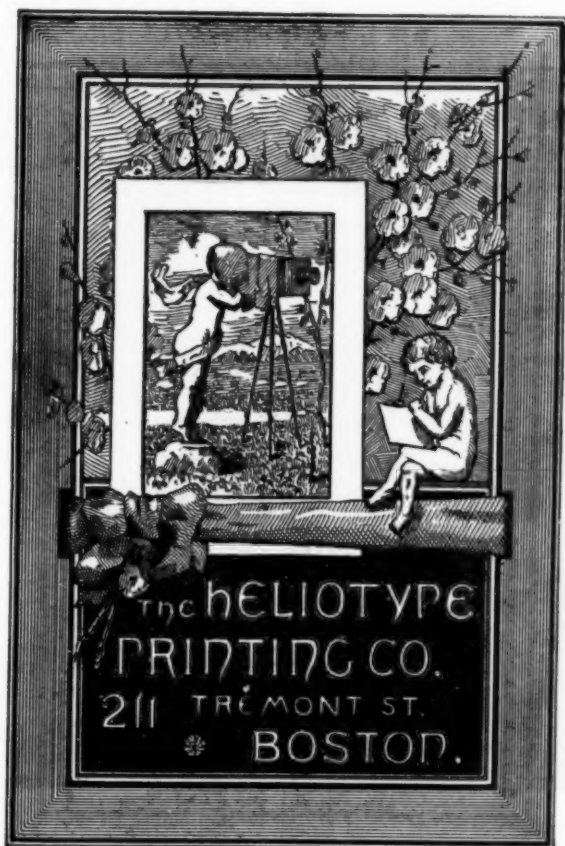
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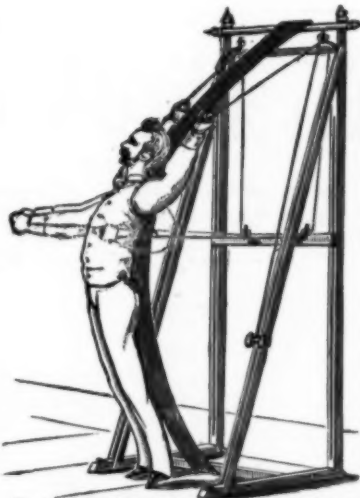
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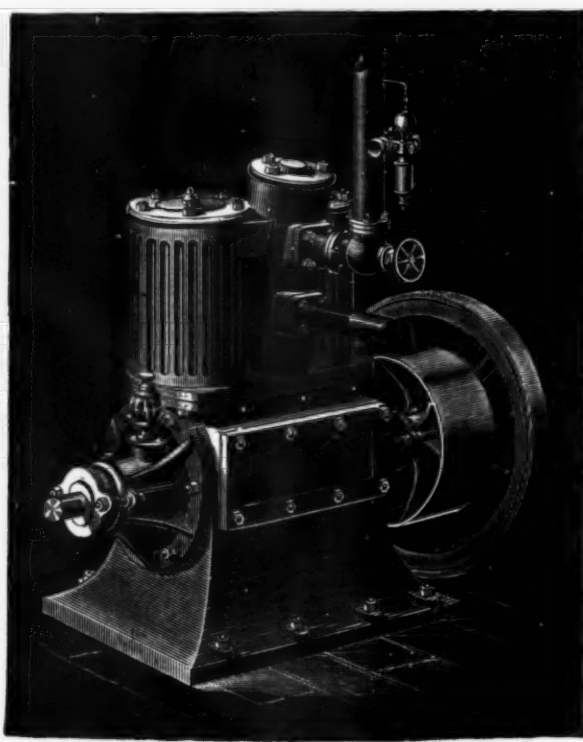
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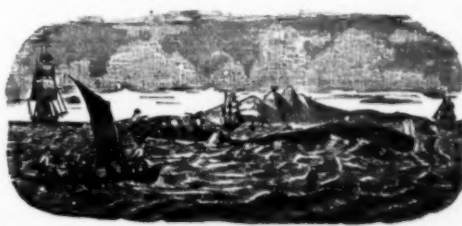
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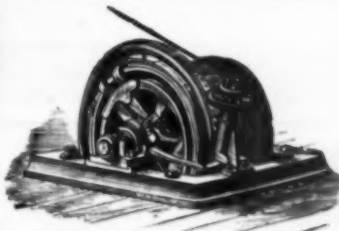
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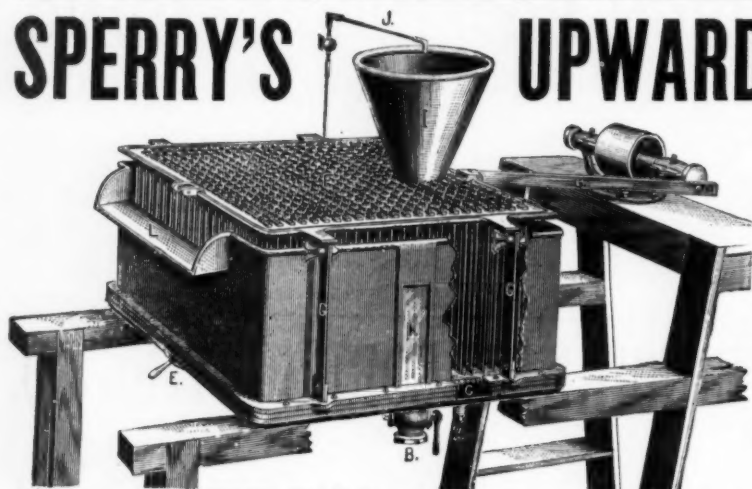
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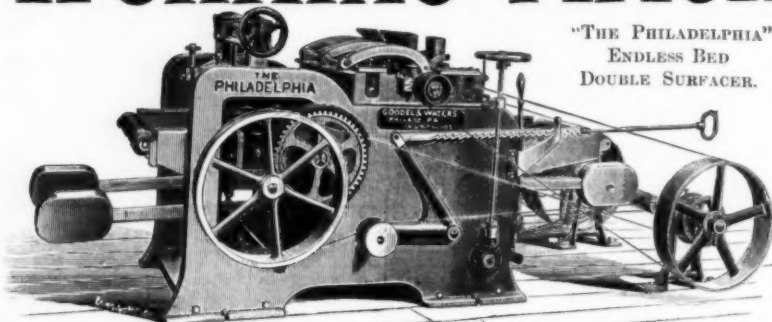
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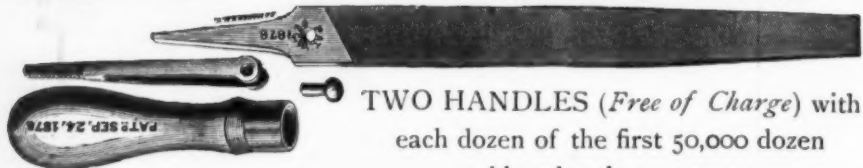
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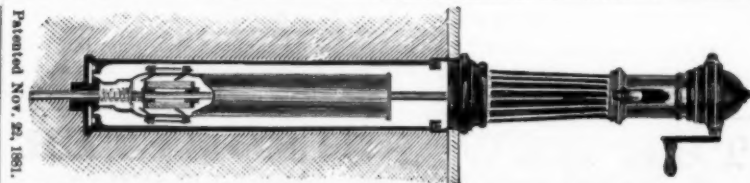
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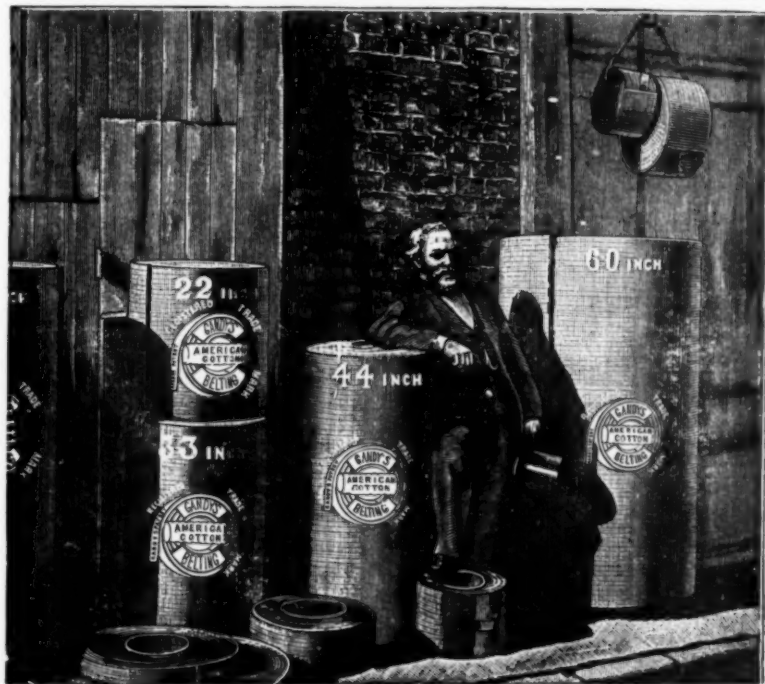
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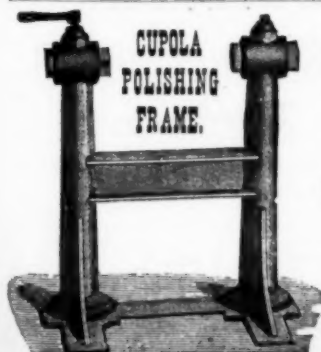
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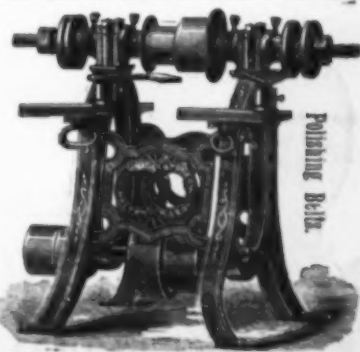
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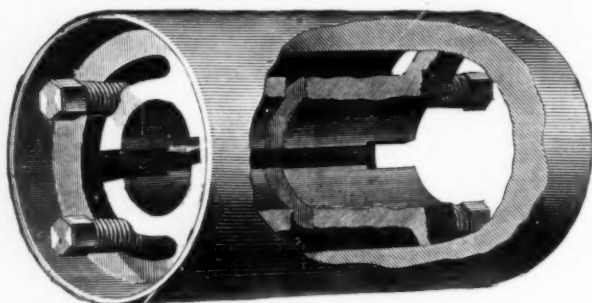
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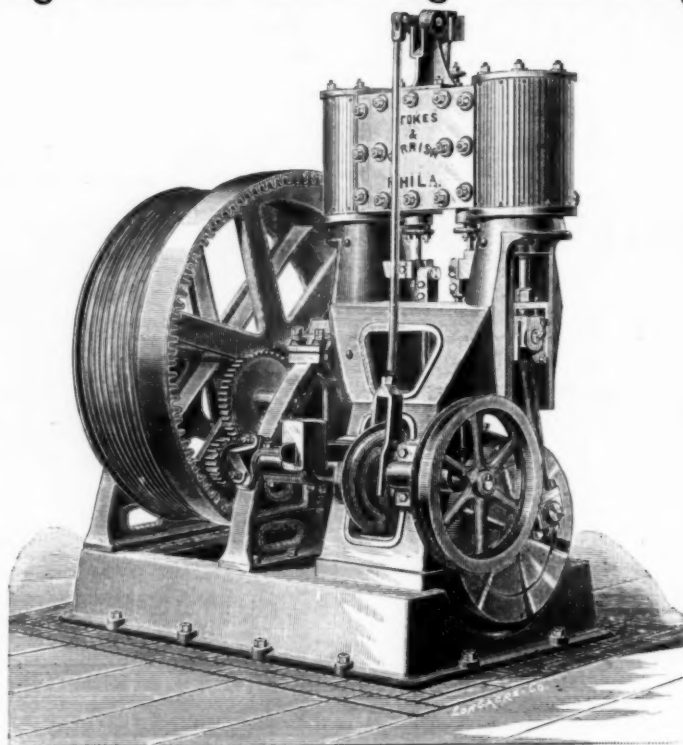
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